

**SENATE MEETING
PUBLIC SESSION
MINUTES**

January 27, 2016

3:30 – 5:30 PM

Senate Chambers (Room 1079 Administration Building)

Present: A. Aravind, S. Beeler, M. Bouchard, D. Casperson, D. Clarkson, M. Dale, B. Deo, D. Desai, D. Erasmus, W. Fellers, K. Guest, T. Hanschen (Secretary of Senate), K. Howitt (Recording Secretary), E. Jensen, K. Keen, A. Kehler, A. LeBlanc, D. Wessell Lightfoot, B. Menounos, M. Murphy, D. Nyce, I. Olasanmi, M. Ouellet, A. Palmer, G. Payne, M. Peterson, M. Prevost, K. Reimer, A. Robinson, R. Robinson, D. Ryan, B. Schorcht, W. Schwab, P. Siakaluk (Vice Chair), K. Smith, P. Tobin, D. Weeks (Chair), C. Whalen, T. Whitcombe, A. Wilson

Regrets: G. Deo, M. Green, A. Kitchenham, B. Krane, J. S. MacDonald, D. Shirodaria, A. Stroet,

Absent: J. Bankole, D. Burke, K. Kuo

The meeting commenced at 3:30 p.m. Dr. Weeks welcomed new Senators, and asked for a moment of silence in memory of Dr. Joselito (Lito) Arocena, a founding faculty member who passed away in December. Dr. Weeks reported that a memorial scholarship was being set up in Dr. Arocena's name, and more information would be available in the future.

**1.0 S-201601.01
Approval of the Agenda**

Whitcombe

That the agenda for the January 27, 2016 Public Session of Senate be approved as presented.

Senator Murphy provided two notices of motions for the next regular meeting of Senate (February 24, 2016), as follows:

1. That Senate lacks confidence in the leadership of the Board of Governors Chair.
2. That Senate requests that the Lieutenant Governor in Council replace the Chair of the UNBC Board of Governors.

Senator Keen provided two notices of motions to be included under Other Business for the next regular meeting of Senate (February 24, 2016), as follows:

1. That the Chair of the Senate Committee on Academic Affairs report to Senate the status and financial cost of each External Program Review initiated since 1 January 2014, at the March 2016 meeting of Senate.
2. That the Chair of the Senate Committee on Academic Affairs report to Senate the existing procedure for External Program Reviews and a consideration of whether this needs to be formalized in writing through a Policy recommended to the Board of Governors by Senate, at the March 2016 meeting of Senate.

CARRIED

2.0

S-201601.02

Approval of Senate Minutes

Smith

That the minutes of the December 9, 2015 Public Session of Senate be approved as presented.

Amendment 1

Casperson

That “Friendly Amendments” be changed to “Amendments” on pages 7-8 of the Minutes.

Amendment 2

Casperson

That under Item 3.1 Appointment of Chancellor “was question” be removed from the sixth bullet.

Amendment 3

Whitcombe

That under Item 3.1 Appointment of Chancellor “questions with respect to” and “were raised” be removed from the seventh bullet, and “was questioned” be removed from the eighth bullet.

Amendment 4

Murphy

That under Item 3.1 Appointment of Chancellor, “whether the candidate adequately represents the values of UNBC” be included in the bullet points.

The main motion and amendments were CARRIED.

3.0 Business Arising from Previous Minutes of Senate

3.1 Senate Committee on Academic Affairs

Dr. Ryan

“For Approval” Items:

S-201511.05

Approval of the Recommendations made within the document “Developing a New Academic Plan – Phase I”

That, on the recommendation of the Senate Committee on Academic Affairs, Senate approve the Recommendations made within the document “Developing a New Academic Plan – Phase I”
Effective Date: Upon Approval by Senate

A clean copy of the Developing a New Academic Plan – Phase I “Planning Framework” incorporating the recommendations and amendments from the December 9, 2016 Senate meeting was included in the meeting package. Discussion on the recommendations continued, starting with Recommendation 9.

Recommendation 9

Amendment to Recommendation 9

Murphy

To strike the final period after “Plan” in the main part of the text, and replace it with:

“and that Senate will direct SCAAF to create a working group that will assist the Provost in implementing Recommendation 9 with due consideration given to:”

CARRIED

- A description of academic administrative organizations is to be included.

General Consent

Recommendation 2

Amendment to Recommendation 2

Casperson

At the beginning of Recommendation 2 to prepend the words:

“That Senate direct SCAAF to propose working group compositions and selection procedures for Senate approval; and, once approved,”

CARRIED

Amendment to Recommendation 2

Menounos

That a period be placed after “groups” in the first sentence of the main text and “by January 27, 2016” be removed.

CARRIED

- SCAAF should report back to Senate at the next regularly scheduled meeting on February 24, 2016.
- SCAAF should give due consideration that the working groups include members with specific skills and expertise, and members with a more general understanding of the subject
- SCAAF may want to consider conducting elections first to fill some positions, and then fill in the remaining positions where there are gaps in the skills and knowledge needed.

Amendments to Sub-Recommendations R2.1- R2.7

Whitcombe

- That all the sub-recommendations under Recommendation 2 be struck, with the exception of R2.1 bullet 3 and R2.2 bullet 1;
- R.2.5 - Something similar to this statement could be used as a rider somewhere at the beginning as all the planning groups should draw upon the data and;
- R2.5 change “draw on” to “consider”

CARRIED

General Consent

Discussion on the General Document

- Recommendation 5.4 - new language to sub-recommendation 5.4, changing “reliance on” to wording that is respectful towards non tenured and non-tenure track faculty.
- Some Senators said they would like to see a document where recommendations 1-9 are clear and unambiguously stand alone, and the sub-recommendations are clearly separated as commentary.

Motion to Recess

Casperson

That Senate recess for three minutes.

CARRIED

Senate reconvened at 4:50 p.m.

Motion to Postpone S-201511.05

Lightfoot

That motion S-201511.05 be postponed until the next regular meeting of Senate.

CARRIED

Motion

Dale

That Senate authorize SCAAF to make recommendations on the composition of the working groups which will then come back to Senate for approval once completed.

CARRIED

4.0 President's Report

Dr. Weeks

Dr. Weeks welcomed everyone back to a new semester. He reported that he had sent an important letter to the UNBC community and asked everyone to please review it.

There will be a budget Town Hall on January 28, 2016 at 10:30 a.m. and Senators were encouraged to attend.

The University Secretary has begun to assemble the record with respect to the selection of the Chancellor. A hard copy of Part I (the decisions), was provided to Senators. The call for records has been expanded and additional documents will be provided, along with a rationale for redactions.

Initial plans are being made for a joint Senate and Board of Governors workshop on March 19, 2016. The SCS has put forward a suggestion for one agenda item. Dr. Weeks will speak to the Chair of the Board of Governors regarding other agenda items.

5.0 Report of the Provost

Dr. Ryan

As the meeting was running long, Dr. Ryan deferred the Provost's Report to the next meeting of Senate. There were no specific questions for the Provost.

6.0 Report of the Registrar

Mr. Hanschen

The March Board of Governors meeting, where the budget is typically approved, has been moved to March 18, 2016. The SCS had proposed at their last meeting that the March Senate meeting be moved to March 16th so that Senate would be able to review and discuss the budget before approved by the Board. Dr. Weeks proposed instead that on March 16th there be an Open Session of Senate to present the budget for information and discussion. On March 18th, the budget will be presented to the Board of Governors meeting for discussion but not for approval. On March 23rd, the budget will be presented formally at the regularly scheduled meeting of Senate. The Board of Governors could call an extraordinary meeting after the March 23rd Senate meeting to approve the budget. There was general consent to Dr. Weeks' proposal.

7.0 Question Period

Dr. Weeks

Question – What is the quorum for convocation?

Mr. Hanschen - It is laid out in the University Act, Part 4 – Convocation, Composition of convocation 5(2) Twenty members of convocation constitute a quorum for the transaction of business.

Question – Is there any indication as to how the appointment of the Chancellor is affecting donors?

Dr. Weeks - Fundraising is tracking very well, and we are well ahead of last year at this point.

Question – What is the status of the job searches that are currently underway for the top administrators?

Dr. Weeks – They are going well. The search consultants have brought some great options. We are down to shortlists; the interviews of the shortlisted candidates began a couple of days ago and will continue over the next couple of weeks.

Question – Is there a timeline for starting the searches for a Provost and Vice-President of Research?

Dr. Weeks – This is outlined in the letter sent to the University community.

Question – Can you give some sense as to why the Chair of the Board of Governors did not specifically respond to the concerns expressed by Senate in the email he sent out?

Dr. Weeks – Indicated he could not speak for the Board Chair but could only give his thoughts. The brevity of the email should not be interpreted as having a particular meaning, nor should it be assumed that the concerns expressed by Senate were or were not considered. The concerns of Senate were clearly represented and the meaning of consultation will be discussed again in other contexts.

Statement from Senator – The Board should give justification as to why the Board is proceeding with this decision, particularly given the overwhelming opposition of Senate and others from the University community.

Motion

Casperson

In accordance with Senate regulation 3(w) iii, that the Senate session extend beyond 5:30 p.m.

CARRIED

Question – Do you know the relation between Mr. Matheson and Mr. Moore? Have they known each other prior to this?

Dr. Weeks – They are both alumni and were both students at UNBC; he does not know how they would characterize their relationship.

Question – Is there public relations material coming from the institution in regard to the new Chancellor?

Dr. Weeks – At the next Board meeting there will be a discussion on Chancellor engagement, as there would be for any new incoming Chancellor.

8.0 Removal of Motions from the Consent Agenda Dr. Weeks

There was a request to discuss *For Information* Item - motion SCSB20151125.03 at Agenda Item 9.3.

9.0 Committee Reports

9.1 Senate Committee on Academic Affairs Dr. Ryan

“For Approval” Items:

S-201601.03

Changes to Course Description - MATH 115-3 Precalculus

Smith

That, on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the course description for (MATH 115-3, Precalculus) on the UNBC web page of the 2015/2016 undergraduate calendar, be approved as proposed.

Effective date: January 2016

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 examines algebraic manipulation, solutions of algebraic equations, functions, inverses, graphing, and analytic geometry. It is not open to students with credit in Principles of Math 12, Precalculus 12, MATH 100, MATH 105, MATH 150, MATH 152 or equivalents except by permission of the Chair.

Prerequisites: Principles of Math 11 minimum grade (60%) or Pre-calculus 11 minimum grade (60%).

Rationale from the Department of Economics for changes to the graduate program was included for information.

Rationale Department of Economics for the changes to the undergraduate programs was included for information.

Motions S-201601.03 to S-201601.09 and S-201601.13 to S-201601.22 were dealt with as an omnibus motion.

S-201601.04

Changes to the Development Economics (MA Program)

Whitcombe

That, on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the program requirements for the Development Economics (MA Program), on page 51 (in the print calendar accessible on the UNBC web page) of the 2015/2016 graduate calendar, be approved as proposed.

Effective date: September 2016

CARRIED

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

Development Economics (MA Program)

Baotai Wang, Professor and Chair
Paul Bowles, Professor
Fiona MacPhail, Professor
Jalil Safaei Boroojeny, Professor
Karima Fredj, Associate Professor
Bryan Bogdanski, Adjunct Professor

Website: www.unbc.ca/economics/graduate-programs

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

Economic development cannot be studied in isolation from other dimensions of development.

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

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

Admission Requirements

Applicants to the UNBC Development Economics MA program must follow the admission requirements outlined in Section 1.0 of the UNBC Graduate Academic Calendar. Applicants normally should have a four-year undergraduate degree that is equivalent to a UNBC degree in Economics. In addition to these requirements, applicants must also provide a sample of written work (usually a senior-level undergraduate essay or research paper) as part of their application.

Entrance to the MA will be competitive: only applicants with a record of excellence in undergraduate work, strong letters of academic recommendation, and strong letters of intent will be considered. In their letters of intent, applicants should demonstrate evidence of interest in the MA's areas of specialization (Development Economics).

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

For additional information about graduate admissions or to download application materials, go to the Graduate Programs website at www.unbc.ca/graduate-programs.

Requirements

The course of study is composed of a minimum ~~total of 25 credit hours of work for the coursework only option and project options~~ and a minimum of 28 credit hours of work for the thesis option. ~~All students are required to complete 5 courses totaling 15 credit hours. Students in the coursework-only option are required to complete 8 eight courses totaling 24 credit hours plus ECON 700. Additionally, students must may, At the time of application or after successfully completing 12 credit hours, students may~~ choose between one of two other options:

- (i) To produce a detailed project proposal with bibliography and to defend, in a formal oral examination, a 9-credit-hour project of a maximum of 50 pages in length and to complete an additional 3 credit hours of course work

Or

- (ii) to produce a detailed thesis proposal and to defend, in a formal oral examination, a 12-credit-hour thesis of a maximum of 75 pages.

Students choosing option (i) or (ii) must obtain the support of a supervisor and of the Program Chair.

In addition, any student who does not, at the time of entry to the program, have a course in ~~advanced microeconomics and/or econometrics~~ at the undergraduate level will be required to take ~~ECON 451-3 (Advanced Microeconomics)~~ and/or ECON 312-3 (Econometrics) as part of their graduate degree program in order to meet graduate requirements. A minimum grade of B is required in such a course.

Required Courses

ECON 601-3 ~~The Global Economy and Development~~

ECON 604-3 Poverty, Inequality and Development

ECON 651-3 Microeconomic Theory and Applications

ECON 710-3 Macroeconomic Policy for Development

ECON 712-3 Applied Econometrics

ECON 700-0.5 Graduate Colloquia. All students must complete Graduate Colloquia ECON 700-0.5 twice during their course of study.

Additional requirements are based upon the option followed:

Coursework Program

9 Credit hours of Elective Courses:

At least one of:

ECON 610-3 Health Economics

ECON 611-3 Cost-Benefit Analysis

ECON 625-3 Trade and the Environment

ECON 635-3 Financial Economics and Quantitative Methods

Students may take up to two of their elective courses from other graduate programs with the permission of Chair of Economics.

Required Research

Project option:

One elective course normally chosen from Economics courses and

ECON 798-9 MA Economics Project or

Thesis option:

ECON 799-12 MA Master's Thesis

Elective Course

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

S-201601.05

Changes to the Major in Economics

Whitcombe

That, on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the program requirements for a Major in Economics on page 86 (in the print calendar accessible on the UNBC web page) of the 2015/2016 undergraduate calendar, be approved as proposed.

Effective date: September 2016

CARRIED

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

Major in Economics

Undergraduate students are required to take ~~47~~ 15 Economics courses (~~54~~ 45 credit hours). Of these, ~~42~~ 10 courses (~~36~~ 30 credit hours) are at the upper-division level.

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

Program Requirements

Lower-Division Requirement

100 Level
ECON 100-3 Microeconomics
ECON 101-3 Macroeconomics
~~COMM 100-3 Introduction to Canadian Business~~
~~or POLS 100-3 Contemporary Political Issues~~
~~or INTS 101-3 Canada and the World~~
MATH 150-3 Finite Mathematics for Business and Economics
or MATH 220-3 Linear Algebra
MATH 100-3 Calculus I
or MATH 152-3 Calculus for Non-majors

One of:

COMM 100-3 Introduction to Canadian Business
CPSC 110-3 Introduction to Computer Systems and Programming
ENPL 104-3 Introduction to Planning
FNST 100-3 The Aboriginal Peoples of Canada
INTS 100-3 Introduction to Global Studies
POLS 100-3 Contemporary Political Issues

200 Level

~~ECON 202-3 History of Economic Thought~~
~~ECON 203-3 Canadian Economic History~~
ECON 205-3 Statistics for Business and the Social Sciences

Two of:

ECON 204-3 Contemporary Economic Issues
ECON 206-3 Methods of Economic Evaluation
ECON 210-3 Introduction to Health Economics and Policy
ECON 220-3 Global Economic Shifts

One of:

COMM 210-3 Financial Accounting
COMM 220-3 Financial Management I
COMM 230-3 Organizational Behaviour
COMM 240-3 Introduction to Marketing

POLS 200-3 Canadian Government and Policies
POLS 202-3 Canada in Comparative Perspective
POLS 255-3 Introduction to Law in Canada

INTS 210-3 Globalizations
INTS 225-3 Global Environmental Change Challenge: Sustainability

CPSC 250-3 Applied Business Computer Computing

FNST 249-3 Aboriginal Resource Planning

ENPL 206-3 Planning Analysis and Techniques

Upper-Division Requirements

300 and 400 Level

ECON 310-3 Intermediate Microeconomic Theory
ECON 311-3 Intermediate Macroeconomic Theory
ECON 312-3 Introduction to Econometrics
ECON 412-3 Applying Economics in the Community
Or ECON 440-3 Internship

~~Eighteen~~ 18 credit hours of upper-division Economics and six 6 credit hours of upper-level applied and/or policy-oriented courses from any discipline (including Economics) and approve approval by the Chair.

~~Twenty-seven credit hours of 300 or 400 level Economics.~~

~~*Note: Students wishing to pursue graduate studies in Economics are strongly advised to take ECON 320-3 (Introduction to Mathematical Economics) and ECON 451-3 (Advanced Microeconomic Theory) and/or ECON 452-3 (Advanced Macroeconomic Theory).~~

S-201601.06

Changes to the Minor in Economics

Whitcombe

That, on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the program requirements for a Minor in Economics, on page 88 (in the print calendar accessible on the UNBC web page) of the 2015/2016 undergraduate calendar, be approved as proposed.

Effective date: September 2016

CARRIED

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

The minor in Economics requires the completion of 24 credit hours.
Students must complete:

ECON 100-3 Microeconomics
ECON 101-3 Macroeconomics

Two of:

~~ECON 202-3 History of Economic Thought
ECON 203-3 Canadian Economic History
ECON 205-3 Statistics for the Social and Management Sciences~~

ECON 204-3 Contemporary Economic Issues
ECON 205-3 Statistics for Business and the Social Sciences
ECON 206-3 Methods of Economic Evaluation
ECON 210-3 Introduction to Health Economics and Policy
ECON 220-3 Global Economic Shifts

~~Twelve~~ 12 credit hours of 300- or 400-level Economics courses.

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

Alternative courses may be substituted for the above with written permission of the ~~Department~~ Chair of Economics and Dean.

S-201601.07

Changes to the Joint Major in Economics/Global and International Studies

Whitcombe

That, on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the program requirements for a Joint Major in Economics/Global and International Studies, on page 86 - 87 (in the print calendar accessible on the UNBC web page) of the 2015/2016 undergraduate calendar, be approved as proposed.

Effective Date: September 2016

CARRIED

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

Joint Major in Economics/Global and International Studies

Joint majors are designed for students interested in a combination of ~~combining~~ two related fields of study. ~~They~~ A Joint major normally involves a specific set of course requirements selected to provide a solid specialization in each of the two fields. The

graduation requirements for a joint major can normally be met in four years of study. ~~Curriculum~~—The minimum requirement for completion of a Bachelor of Arts with a joint major in Economics and Global and International Studies is 120 credit hours.

Program Requirements

Lower-Division Requirement

~~ECON 100-3 Microeconomics~~
~~ECON 101-3 Macroeconomics~~
~~ECON 120-3 Globalization and the World's Economies~~
~~ECON 202-3 History of Economic Thought~~
~~or ECON 203-3 Canadian Economic History~~
~~ECON 204-3 Contemporary Economic Issues or~~
~~or ECON 206-3 Methods of Economic Evaluation or~~
~~or ECON 210-3 Introduction to Health Economics and Policy~~
~~ECON 205-3 Statistics for Business and the Social Sciences~~
~~INTS 100-3 Introduction to Global Studies~~
~~INTS 210-3 Globalizations~~
~~ECON 220-3 Global Economic Shifts~~
~~ECON 220-3 Global Economic Shifts~~
~~INTS 100-3 Introduction to Global Studies~~
~~INTS 210-3 Globalizations~~

Upper-Division Requirement*

~~ECON 308-3 International Economic Relations~~
~~ECON 310-3 Intermediate Microeconomic Theory or~~
~~or ECON 350-3 Managerial Economics~~
~~ECON 311-3 Intermediate Macroeconomic Theory~~
~~ECON 321-3 Economics of Developing Countries~~
~~INTS 310-3 Origins and Evolution of Our Globalizing World~~

Two of:

~~ECON 308-3 International Economic Relations~~
~~ECON 321-3 Economics of Developing Countries~~
~~ECON 401-3 Global Economy and Development~~
~~ECON 404-3 Poverty, Inequality and Development~~

~~INTS 310-3 Origins and Evolution of Our Globalizing World~~

Fifteen (15) additional credit hours of 300- or 400-level Global and International Studies courses.

Six (6) additional credit hours of 300- or 400-level Economics courses.

* Students must ensure that all prerequisites are fulfilled prior to registering in any courses. Note that MATH 152 is a prerequisite for ECON 310.

Language and Regional Studies Requirement

One of:

~~GEOG 220-3 World Regions: Latin America and the Caribbean~~
~~GEOG 222-3 World Regions: Russia~~
~~HIST 281-3 Republican Latin America~~
~~INTS 200-3 Contemporary Russia~~
~~INTS 202-3 Contemporary United States~~
~~INTS 203-3 Contemporary Japan~~
~~INTS 204-3 Contemporary China~~
~~INTS 240-3 Contemporary Circumpolar North~~

Twelve (12) credit hours of Global and International Studies language courses. At least two courses must be in one language.

Elective and Academic Breadth

~~Electives~~ Elective credit hours as necessary at any level in any subject sufficient to ensure completion of a minimum of 120 credit hours including any additional credits necessary to meet the Academic Breadth requirement of the University (see Academic Regulation 15).

S-201601.08

Changes to the BSC Joint Major in Economics/Mathematics

Whitcombe

That, on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the program requirements for a BSC (Joint Major in Economics/Mathematics), on page 87 and 88 (in the print calendar accessible on the UNBC web page) of the 2015/2016 undergraduate calendar, be approved as proposed.

Effective date: September 2016

CARRIED

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

Joint Major in Economics/ Mathematics

The minimum requirement for completion of a Bachelor of Science with a Joint Major in Economics and Mathematics is 121 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

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

Program Requirements

Literacy Requirement

One of:

ENGL 170-3 Writing and Communication Skills

ENGL 270-3 Expository Writing

Economics Requirements

ECON 100-3 Microeconomics

ECON 101-3 Macroeconomics

~~ECON 202-3 History of Economic Thought~~

~~ECON 203-3 Canadian Economic History~~

~~ECON 205-3 Statistics for Social and Management Science~~

~~ECON 310-3 Intermediate Microeconomic Theory~~

~~ECON 311-3 Intermediate Macroeconomic Theory~~

~~ECON 312-3 Introduction to Econometrics~~

~~ECON 320-3 Introduction to Mathematical Economics~~

One of the following three courses:

~~ECON 451-3 Advanced Microeconomic Theory~~

~~ECON 452-3 Advanced Macroeconomic Theory~~

~~ECON 453-3 Advanced Econometrics~~

Two of:

ECON 204-3 Contemporary Economic Issues

ECON 206-3 Methods of Economic Evaluation or

ECON 210-3 Introduction to Health Economics and Policy

ECON 220-3 Global Economic Shifts

And:

ECON 205-3 Statistics for Business and the Social Sciences

ECON 310-3 Intermediate Microeconomic Theory

ECON 311-3 Intermediate Macroeconomic Theory

ECON 312-3 Introduction to Econometrics

ECON 320-3 Introduction to Mathematical Economics

ECON 451-3 Advanced Microeconomic Theory

~~One of the following three courses:~~

~~ECON 451-3 Advanced Microeconomic Theory~~

~~ECON 452-3 Advanced Macroeconomic Theory~~

~~ECON 453-3 Advanced Econometrics~~

Twelve additional credit hours of 300- or 400-level Economics.

Mathematics Requirements

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 224-3 Foundations of Modern Mathematics

MATH 230-3 Linear Differential Equations and Boundary Value Problems

MATH 320-3 Survey of Algebra

or MATH 302-3 ~~Theory of Metric Spaces~~ Introductory Mathematical Analysis

STAT 371-3 Probability and Statistics for Scientists and Engineers

Six additional credit hours of 300- or 400-level Mathematics (STAT 372-3 is strongly recommended); ~~and~~

Six additional credit hours of 400-level Mathematics.

Program Requirements

CPSC 100-4 Computer Programming I

Elective and Academic Breadth

Elective credit hours as necessary to ensure completion of a minimum of 121 credit hours including any additional credits necessary to meet the Academic Breadth requirement of the University (see Academic Regulation 15

S-201601.09

Changes to the Joint Major in Economics/Political Science

Whitcombe

That, on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the program requirements for a Joint Major in Economics/Political Science, on page 87 (in the print calendar accessible on the UNBC web page) of the 2015/2016 undergraduate calendar, be approved as proposed.

Effective date: September 2016

CARRIED

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

The minimum requirement for completion of a Bachelor of Arts with a Joint Major in Economics and Political Science is 120 credit hours.

Program Requirements

Lower-Division Requirement

ECON 100-3 Microeconomics
ECON 101-3 Macroeconomics
~~ECON 202-3 History of Economic Thought~~
~~ECON 203-3 Canadian Economic History~~
~~ECON 205-3 Statistics for the Social and Management Science~~
~~POLS 100-3 Contemporary Political Issues~~
~~POLS 200-3 Canadian Government and Politics~~
~~POLS 202-3 Canada in Comparative Perspective~~
~~POLS 270-3 Political Philosophy: Antiquity to Early Modernity~~
~~POLS 290-3 Research and Writing for Political Science~~

ECON 205-3 Statistics for the Social and Management Sciences

Two of:

ECON 204-3 Contemporary Economic Issues
ECON 206-3 Methods of Economic Evaluation or
ECON 210-3 Introduction to Health Economics and Policy
ECON 220-3 Global Economic Shifts

~~POLS 100-3 Contemporary Political Issues~~
~~POLS 200-3 Canadian Government and Politics~~
~~POLS 202-3 Canada in Comparative Perspective~~
~~POLS 270-3 Political Philosophy: ~~Plato to Locke~~ Antiquity to Early Modernity~~
~~POLS 290-3 Research and Writing for Political Science~~

Upper-Division Requirement

ECON 310-3 Intermediate Microeconomic Theory or
ECON 350-3 Managerial Economics
ECON 311-3 Intermediate Macroeconomic Theory
POLS 303-3 Democracy and Dictatorship
POLS 320-3 Canadian Politics and Policy
POLS 370-3 Political Philosophy: Early Modernity to Post-Modernity

Nine credit hours in Political Science at the 400 level.
Eighteen credit hours in Economics at the 300 or 400 level.

Elective and Academic Breadth

Elective credit hours as necessary to ensure completion of a minimum of 120 credit hours including any additional credits necessary to meet the Academic Breadth requirement of the University (see Academic Regulation 15).

S-201601.10

Changes to Course Number and Title – ECON 120-3

Smith

That, on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the Course number and title for ECON 120-3 Globalization and the World's Economics, on page 219 (in the print and PDF calendar accessible on the UNBC web page) of the 2015/2016 undergraduate calendar, be approved as proposed.

Effective date: September 2016

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]):

~~ECON 120-3, Globalization and the World's Economics~~ ECON 220-3, Global Economic Shifts

This course examines the shifting spatial dynamics of the world economy. Trends in ~~world~~ global production, trade, and investment over the past 200 years are analyzed and the reasons for these shifts discussed. Contemporary dimensions of globalization are identified with a focus on examining the rise and re-emergence of new global powers such as Brazil, Russia, India and China.

Prerequisites: None

Precluded: ECON 120-3

S-201601.11

Changes to Course Title - ECON 205

Smith

That, on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the course title ECON 205 – Statistics for the Social and Management Sciences, on page 219 (in the print or PDF calendar accessible on the UNBC web page) of the 2015/2016 undergraduate calendar, be approved as proposed.

Effective date: September 2016

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]):

~~ECON 205-3 Statistics for the Social and Management Sciences~~ Statistics for Business and the Social Sciences. This course is an introduction to the principles and applications of statistics relevant to business and the social and management sciences, with emphasis on making inferences based on observed data. Topics covered include descriptive statistics, probability, random variables, decision theory, estimation, hypothesis testing, and statistical software.

Prerequisites: None

S-201601.12

Changes to Course Title - ECON 407

Smith

That, on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the course title for ECON 407, Economy of Northern BC, on page 220 (in the print and PDF calendar accessible on the UNBC web page) of the 2015/2016 undergraduate calendar, be approved as proposed.

Effective date: September 2016

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]):

~~ECON 407-3 ECON 307-3 , Northern BC in the Global Economy~~ The Economy of Northern BC This course ~~compares comparison of~~ the economic characteristics of Northern BC with other Canadian regions. ~~An examination of Regional development and growth concepts and theories in the context of global economic integration is examined. An evaluation of Past and present regional economic development programs and initiatives taken by various levels of government~~ are analyzed and contemporary resource projects discussed.

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

Precluded: ECON 407-3

S-201601.13

Changes to Course Requirements - ECON 451

Whitcombe

That, on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the course requirements for ECON 451, Advanced Microeconomic, on page 221 (in the print or PDF calendar accessible on the UNBC web page) of the 2015/2016 undergraduate calendar, be approved as proposed.

Effective date: September 2016

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]):

ECON 451-3 Advanced Microeconomic Theory This course examines ~~S~~selected topics in microeconomics.

Prerequisites: ECON 310-3, ECON 311-3, ~~ECON 312-3~~ or permission of the instructor

S-201601.14

Course Deletion - ECON 202-3

Whitcombe

That, on the recommendation of the Senate Committee on Academic Affairs, the deletion of ECON 202-3 History of Economic, on page 219 (in the print or PDF calendar accessible on the UNBC web page) of the 2015/2016 undergraduate calendar, be approved as proposed.

Effective date: September 2016

CARRIED

S-201601.15

Course Deletion - ECON 203-3

Whitcombe

That, on the recommendation of the Senate Committee on Academic Affairs, the deletion of ECON 203-3 Canadian Economic History, on page 219 (in the print or PDF calendar accessible on the UNBC web page) of the 2015/2016 undergraduate calendar, be approved as proposed.

Effective date: September 2016

CARRIED

S-201601.16

Course Deletion - ECON 452-3

Whitcombe

That, on the recommendation of the Senate Committee on Academic Affairs, the deletion of ECON 452-3 Advanced Macroeconomic Theory, on page 221 (in the print or PDF calendar accessible on the UNBC web page) of the 2015/2016 undergraduate calendar, be approved as proposed.

Effective date: September 2016

CARRIED

S-201601.17

Course Deletion - ECON 453-3

Whitcombe

That, on the recommendation of the Senate Committee on Academic Affairs, the deletion of ECON 453-3 Advanced Econometrics, on page 221 (in the print or PDF calendar accessible on the UNBC web page) of the 2015/2016 undergraduate calendar, be approved as proposed.

Effective date: September 2016

CARRIED

S-201601.18

New Course Approval - ECON 651-3

Whitcombe

That, on the recommendation of the Senate Committee on Academic Affairs, the new course ECON 651-3 Microeconomic Theory and Applications be approved as proposed.

Proposed semester of first offering: September 2016

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 provides an understanding of microeconomics at an advanced level. The emphasis is on understanding microeconomic theory and its application to selected issues.

Prerequisites (taken prior): None

Prerequisites with concurrency (taken prior or simultaneously): None

Co-requisites (must be taken simultaneously): None

Preclusions: None

S-201601.19

New Course Approval - ECON 700-0.5

Whitcombe

That, on the recommendation of the Senate Committee on Academic Affairs, the new course ECON 700-0.5 Graduate Colloquia be approved as follows.

Proposed semester of first offering: September 2016

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]):

Students attend colloquia on a range of research conducted on global issues. Students must register twice in this course. The course is offered during the September and January semesters. This is a PASS/FAIL course. Credits: 0.500

Prerequisites (taken prior): None

Prerequisites with concurrency (taken prior or simultaneously): None

Co-requisites (must be taken simultaneously): None

Preclusions: None

S-201601.20

New Course Approval - ECON 204-3

Whitcombe

That, on the recommendation of the Senate Committee on Academic Affairs, the new course ECON 204-3 Contemporary Economic Issues be approved as follows.

Proposed semester of first offering: September 2016

CARRIED

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

This course provides an introduction to contemporary economic issues. Issues examined will vary by year and may be related to trade, finance, demographic change, regional economic development, Aboriginal economic development, energy, and various aspects of government policy and behaviour. This course may be repeated to a maximum of 6 credit hours if the material is substantially different.

Prerequisites (taken prior): None

Prerequisites with concurrency (taken prior or simultaneously): None

Co-requisites (must be taken simultaneously): None

Preclusions: None

S-201601.21

New Course Approval - ECON 350-3

Whitcombe

That, on the recommendation of the Senate Committee on Academic Affairs, the new course ECON 350-3 Managerial Economics be approved as proposed.

Proposed semester of first offering: September 2016

CARRIED

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

This course is concerned with the application of economic principles and methodologies to key management decisions within organizations. It provides principles to foster the goals of the organization, as well as a better understanding of the external business environment in which an organization operates. Topics may include: demand, production, and cost analysis; market structure and pricing practices; objectives in private and public organizations; regulation and; entrepreneurship.

Prerequisites (taken prior): ECON 100-3 and ECON 101-3

Prerequisites with concurrency (taken prior or simultaneously): None

Co-requisites (must be taken simultaneously): None

Preclusions: None

S-201601.22

New Course Approval - ECON 412-3

Whitcombe

That, on the recommendation of the Senate Committee on Academic Affairs, the new course ECON 412-3 Applying Economics in the Community be approved as proposed.

Proposed semester of first offering: September 2016

CARRIED

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

In this course, students apply their economics knowledge to a real-world problem or question. Working with a local organization, students will design the methodology to answer the problem or question identified by the organization, engage in collaborative research, and produce a group report. The organization chosen may vary from year to year.

Prerequisites (taken prior): ECON 310-3 or ECON 350-3, ECON 311-3 or permission of Chair.

Prerequisites with concurrency (taken prior or simultaneously): None

Co-requisites (must be taken simultaneously): None

Preclusions: None

An executive summary for the following changes to Education was included for information.

Motions S-201601.23 to S-201601.25 were dealt with as an omnibus motion.

S-201601.23

Changes to the Multidisciplinary Leadership Program

Smith

That, on the recommendation of the Senate Committee on Academic Affairs, the changes to the Multidisciplinary Leadership program course requirements requiring Educ-601-3 Educational Research Design and Methodology be added as a required course and a choice of either Educ 602-4 Quantitative Research Design and Data Analysis or Educ 610-4 Qualitative Analysis in Education as required courses on page 58 of the print Graduate Calendar and on the PDF 2015/2016 graduate calendar on the UNBC webpage be approved as proposed.

Effective date: May 2016

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]):

Multidisciplinary Leadership students are required to complete ~~four (4)~~ five core courses, required focus area courses, and a sufficient number of elective courses to meet the minimum ~~32~~ 31-credit-hour graduation requirement, including a comprehensive examination. The number of electives will vary according to the route chosen.

Required Core Courses

~~EDUC 602-4 Educational Quantitative Research Design and Analysis~~
EDUC 606-3 Leading for Change
EDUC 609-3 Aboriginal Learners: History, Culture and Ways of Knowing
~~EDUC 610-4 Qualitative Analysis in Education~~

EDUC 601-3 Educational Research Design and Methodology

One of the following research courses is required; the other may be taken as elective credit EDUC

602-4 Quantitative Research Design and Data Analysis

EDUC 610-4 Qualitative Analysis in Education

S-201601.24

Changes to the Multidisciplinary Leadership Program

Smith

That, on the recommendation of the Senate Committee on Academic Affairs, the changes to the Multidisciplinary Leadership program course requirements include EDUC 655-3 (Collaboration, Communication and Community: Leaders as Community Builders) and EDUC 656-3 (Instructional Leadership) as required courses on page 58 of the print Graduate Calendar and on the PDF 2015/2016 graduate calendar on the UNBC webpage be approved as proposed.

Effective date: May 2016

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]):

Multidisciplinary Leadership students are required to complete ~~four (4)~~ five core courses, required focus area courses, and a sufficient number of elective courses to meet the minimum ~~32~~ 31-credit-hour graduation requirement, including a comprehensive examination. The number of electives will vary according to the route chosen.

Required Core Courses

~~EDUC 602-4 Educational Quantitative Research Design and Analysis~~
EDUC 606-3 Leading for Change
EDUC 609-3 Aboriginal Learners: History, Culture and Ways of Knowing
~~EDUC 610-4 Qualitative Analysis in Education~~
EDUC 655-3 Collaboration, Communication and Community: Leaders as Community Builders
EDUC 656-3 Instructional Leadership

Educational Leadership Focus Area Courses:

EDUC 615-3 The School Principalship
EDUC 616-3 Policy and Politics in Public Education
EDUC 617-3 Leading for Learning: Teacher Leadership and Principal Preparation
EDUC 626-3 Inclusive Education: Learning for All
~~EDUC 655-3 Collaboration, Communication and Community: Leaders as Community Builders~~
~~EDUC 656-3 Instructional Leadership~~

S-201601.25

Changes to Calendar Description - Counselling, Multidisciplinary Leadership, and Special Education

Smith

That, on the recommendation of the Senate Committee on Academic Affairs, the changes to the Admissions and Requirements sections of the Calendar be revised to reflect recent changes to the three specializations (Counselling, Multidisciplinary Leadership, and Special Education) as outlined on page 55 of the print Graduate Calendar and on the PDF 2015/2016 graduate calendar on the UNBC webpage be approved as proposed.

Effective date: May 2016

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]):

Admission

Application deadlines can be found in the Graduate Programs Admissions and Regulations section of the Graduate Calendar at <http://www.unbc.ca/calendar/graduate/admissions>.

In addition to full-time students, the Education degree programs attempt to ~~accommodate~~ accommodate part-time students who may hold full-time jobs. For this reason, most of the Education courses are offered in the ~~late~~ late afternoon and evening, as well as during Summer Session, so they can be accessed by persons during their annual vacation. It is recommended that students plan to make full use of the Summer Session offerings to complete their degree within the prescribed time limit. It is also recommended that students complete EDUC 601-3 (Educational Research Design and Methodology) and either EDUC 602-4 (Quantitative Research Design and Data Analysis) and or EDUC 610-4 (Qualitative Analysis in Education) during the first half of their MEd program.

Requirements

Provided that such courses have not been associated with the receipt of either a degree or diploma from UNBC or another educational institution, students may apply to the Dean of Graduate Programs for up to six credits for previously completed ~~graduate-level~~ graduate-level course work that is equivalent to that completed in the MEd program. Where equivalent courses have been associated previously with the receipt of either a degree or diploma, students will be permitted to elect alternative courses from the MEd program to satisfy the requirements for the degree.

Students in an MEd Program may take up to ~~six~~ 6 credits hours of elective course work from UNBC programs other than that in which they are completing their specialization or from other institutions under the Western Deans' Agreement (students require permission of their Academic Supervisor and the Education Graduate Program Chair). ~~Except under highly unusual circumstances, depending on~~ The supervisory committee may advise thesis students ~~will may be advised~~ to take the research seminar course, EDUC 795-3. ~~Students completing a thesis may be advised to include EDUC 603-4 (Advanced Educational Research Data Analysis) in their degree program in addition to the required courses.~~

An executive summary for the School of Nursing proposed calendar entry revision was included for information.

S-201601.26

Changes to Course Title and Course Description - NURS 455-(6, 8)

Smith

That, on the recommendation of the Senate Committee on Academic Affairs, the change to the course title and course description for NURS 455-(6, 8) Critical Care, Emergency and Trauma on page 275 of the 2015/2016 undergraduate calendar, be approved as proposed.

Effective date: September 2016

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]):

NURS 455-(6, 8) Critical Care, Foundations in Emergency and Trauma Nursing This course provides students with the practical evidence-based information, skills and tools necessary to identify clients with critical conditions and to intervene appropriately and effectively within the context and confines of rural nursing practice. The most salient aspects of adult, geriatric and pediatric emergency and ~~critical care~~ trauma encountered in rural practice are examined. The course includes a focused lab experience and a practicum, which are both mandatory. The NCBNP requires the 8-credit-hour course. RNCP and Post-Diploma BScN students complete the 6-credit-hour course.

Prerequisites: NURS 330-4, or permission of the Chair, School of Nursing for 8-credit-hour course

Major Restriction: Rural Nursing Certificate Program or Post-Diploma BScN students, or permission of the Chair, School of Nursing for 6-credit-hour course

Recommended: NURS 451-3

Precluded: NURS 417-4

S-201601.27

Changes to Course Title - NURS 455-(6, 8) in the Northern Collaborative Baccalaureate Nursing Program

Smith

That, on the recommendation of the Senate Committee on Academic Affairs, the change to the course title for NURS 455-(6, 8) Critical Care, Emergency and Trauma in the Northern Collaborative Baccalaureate Nursing Program requirements on page 172 of the 2015/2016 undergraduate calendar, be approved as proposed.

Effective date: September 2016

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]):

At least one of the following areas of clinical focus:

NURS 420-8 Community Health Nursing

or

NURS 422-8 First Nations Health and Nursing

or

NURS 426-8 Acute Care Nursing

or

NURS 432-8 Mental Health Nursing

or

NURS 435-8 Pediatric Nursing

or

NURS 454-8 Perinatal Care

or

NURS 455-8 ~~Critical Care~~, Foundations in Emergency and Trauma Nursing

or

NURS 461-8 Rural Health and Nursing

or

NURS 497-8 Specialty Focus in Nursing

S-201601.28

Changes to Course Title - NURS 455-(6, 8) in the Post-Diploma Baccalaureate Nursing Program

Smith

That, on the recommendation of the Senate Committee on Academic Affairs, the change to the course title for NURS 455-(6, 8) Critical Care, Emergency and Trauma in the Post-Diploma Baccalaureate Nursing program requirements on page 173 of the 2015/2016 undergraduate calendar, be approved as proposed.

Effective date: September 2016

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]):

A minimum of 9 credit hours selected from the following:

ANTH 201-3 Medical Anthropology

ANTH 213-3 Peoples and Cultures

COMM 230-3 Organizational Behaviour

NURS 301-3 Advanced Pathophysiology

NURS 303-3 Nutrition
or HHSC 311-3 Nutrition
NURS 402-3 Health Promotion
or HHSC 473-3 Health Promotion
NURS 409-3 Pharmacotherapeutics for Nurses
NURS 411-3 Medical Diagnostics for Nurses
NURS 412-3 Women and Health
NURS 452-6 Chronic Disease Management, Palliative Care
and Wound Care
NURS 453-3 Nursing Practice with Older Persons
NURS 454-6 Perinatal Care
NURS 455-6 ~~Critical Care~~, Foundations in Emergency and Trauma Nursing
NURS 456-3 Mental Health and Addictions
NURS 457-3 Living and Working in a Rural Community
NURS 458-6 Remote Nursing Certified Practice

At least one of the following areas of clinical concentration:

NURS 420-6 Community Health Nursing
or
NURS 422-6 First Nations Health and Nursing
or
NURS 426-6 Acute Care Nursing
or
NURS 428-6 Nursing Management
or
NURS 430-6 Community Continuing Care Nursing
or
NURS 432-6 Mental Health Nursing
or
NURS 435-6 Pediatric Nursing
or
NURS 454-6 Perinatal Care
or
NURS 455-6 ~~Critical Care~~, Foundations in Emergency and Trauma Nursing
or
NURS 497-6 Specialty Focus in Nursing

S-201601.29

Changes to Course Title - NURS 455-(6, 8) in the Rural Nursing Certificate Program

Smith

That, on the recommendation of the Senate Committee on Academic Affairs, the change to the course title for NURS 455-(6, 8) Critical Care, Emergency and Trauma in the Rural Nursing Certificate Program requirements on page 174 of the 2015/2016 undergraduate calendar, be approved as proposed.

Effective date: September 2016

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]):

Certificate Requirements

NURS 451-3 Health Assessment and RN First Call
NURS 452-6 Chronic Disease Management, Palliative Care and Wound Care
NURS 453-3 Nursing Practice with Older Persons
NURS 454-6 Perinatal Care
NURS 455-6 ~~Critical Care~~, Foundations in Emergency and Trauma Nursing
NURS 456-3 Mental Health and Addictions
NURS 457-3 Living and Working in a Rural Community

Motions S-201601.30 to S-201601.31 were dealt with as an omnibus motion.

S-201601.30

Changes to Degree Requirements and Description - Minor in Biology and Conservation

Whitcombe

That, on the recommendation of the Senate Committee on Academic Affairs, the changes to the degree requirements and description for the Minor in Biology and Conservation, on page 67 of the 2015/15 undergraduate calendar, be approved as proposed.

Effective date: September 2016

CARRIED

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

Minor in Biology and Conservation

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

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

BIOL 103-3	Introductory Biology I
BIOL 104-3	Introductory Biology II
BIOL 123-1	Introductory Biology I Laboratory
BIOL 124-1	Introductory Biology II Laboratory
BIOL 201-3	Ecology
STAT 240-3	Basic Statistics

Required Courses

BIOL 210-3	Genetics
<u>BIOL 323-3</u>	<u>Evolutionary Biology</u>
BIOL 325-3	Ecological Analyses
BIOL 410-3	Population and Community Ecology
BIOL 411-3	Conservation Biology

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

NREM 204-3	Introduction to Wildlife and Fisheries
BIOL 304-3	Plants, Society and the Environment
BIOL 307-3	Ichthyology and Herpetology
BIOL 308-3	Ornithology and Mammalogy
BIOL 318-3	Fungi and Lichens
BIOL 321-3	Animal Physiology

BIOL 323-3 Evolutionary Biology
BIOL 333-3 Field School
BIOL 350-3 Ethnobotany
BIOL 402-3 Aquatic Plants
BIOL 404-3 Plant Ecology
BIOL 406-3 Fish Ecology
BIOL 412-3 Wildlife Ecology
BIOL 440-3 Internship
ENPL 305-3 Environmental Impact Assessment
~~ENVS 325-3 Global Environmental Change: Science and Policy~~
NREM 413-3 Agroforestry

S-201601.31

Changes to Degree Requirements and Description - Minor in Biology

Whitcombe

That, on the recommendation of the Senate Committee on Academic Affairs, the changes to the degree requirements and description for the Minor in Biology, on page 67 of the 2015/16 undergraduate calendar, be approved as proposed.

Effective date: September 2016

CARRIED

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

Minor in Biology

The minor in Biology offers students in other disciplines the opportunity to gain a solid foundation in the diversity of life and biological processes.

The minor in Biology requires the completion of 29 credit hours, of which 12 credit hours must be at the upper division (~~i.e.~~ i.e., 300 or 400 level).

A maximum of ~~four courses~~ 14 credit hours (~~consisting of 100 level courses plus two courses at the 200 level or beyond to a maximum of 14 credit hours~~) which are used to fulfill requirements for a major or another minor may also be used to fulfill program requirements for a minor in Biology. These 14 credit hours consist of 8 credit hours at the 100 level plus 6 credit hours at the 200 level or above.

Requirements

BIOL 103-3 Introductory Biology I
BIOL 104-3 Introductory Biology II
BIOL 123-1 Introductory Biology I Laboratory
BIOL 124-1 Introductory Biology II Laboratory
BIOL 201-3 Ecology
BIOL 210-3 Genetics
BIOL 323-3 Evolutionary Biology

One of:

~~BIOL 201-3 Ecology~~
~~BIOL 210-3 Genetics~~

One of:

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

One of:

BIOL 301-3 Systematic Botany
BIOL 307-3 Ichthyology and Herpetology
BIOL 308-3 Ornithology and Mammalogy
BIOL 318-3 Fungi and Lichens

One of:

BIOL 304-3 Plants, Society and the Environment
BIOL 311-3 Cell and Molecular Biology
BIOL 321-3 Animal Physiology

Six Three additional credit hours in Biology at the 300 or 400 level.

Background information on the Environmental Engineering Program (Joint with UBC) was included for information.

Motions S-201601.32 to S-201601.38 were dealt with as an omnibus motion.

S-201601.32

Changes to Program Requirements - BAsC Environmental Engineering

Jensen

That, on the recommendation of the Senate Committee on Academic Affairs, the changes to the program requirements for the BAsC – Environmental Engineering, on page 107 of the 2015/16 undergraduate calendar, be approved as proposed.

Effective date: September 2016

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]):

Semester 1 and 2 completed at UNBC

CHEM 100-3 General Chemistry I
CHEM 101-3 General Chemistry II
CHEM 120-1 General Chemistry Lab I
CHEM 121-1 General Chemistry Lab II
CPSC 110-3 Introduction to Computer Systems and Programming
ENGR 110-3 Technical Writing
ENGR 117-3 Engineering Design I
ENGR 151-1 Engineering Tools I
ENGR 152-1 Engineering Tools II
MATH 100-3 Calculus I
MATH 101-3 Calculus II
~~NRES 100-3 Communications in NRES~~
PHYS 110-4 Introductory Physics I: Mechanics
PHYS 111-4 Introductory Physics II: Waves and Electricity

Three credit hours of ~~H~~umanities and ~~S~~ocial ~~S~~cience courses with subject matter that deals with the central issues, methodologies, and thought processes of the humanities and social sciences (for example, any ANTH, ENGL, ENVS, FNST, HIST, INTS, NORS, PHIL, POLS, or WMST course that does not principally impart language skills or statistics). GEOG and ENPL courses may qualify with approval with the approval of the Chair.

Semester 3 and 4 completed at UNBC

BIOL 110-3 Introductory Ecology
~~CHEM 200-3 Physical Chemistry I~~
~~CHEM 220-3 Organic and Biochemistry~~
ENSC 201-3 Weather and Climate
~~ENSC 210-3 Material and Energy Balances~~
~~ENSC 350-3 Fluid Mechanics~~
~~ENSC 451-3 Groundwater Hydrology~~
ENGR 210-3 Material and Energy Balances
ENGR 217-3 Engineering Design II
ENGR 220-3 Engineering Chemistry
ENGR 350-3 Fluid Mechanics
ENGR 451-3 Groundwater Hydrology
GEOG 210-3 Geomorphology
MATH 200-3 Calculus III
MATH 220-3 Linear Algebra
MATH 230-3 Linear Differential Equations and Boundary Value Problems

S-201601.33

Change to Course Title/Prefix - ENSC 210-3

Jensen

That, on the recommendation of the Senate Committee on Academic Affairs, the change to the course title/prefix for ENSC 210-3, on page 235 of the 2015/2016 undergraduate calendar, to ENGR 210-3 be approved as proposed.

Effective date: Sept. 2016

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]):

ENSC ENGR 210-3 Material and Energy Balances

This course provides an introduction to the analysis of environmental engineering processes using the laws of conservation of mass and energy. Material and energy balances are applied to open and closed systems, non-reacting and reacting systems, and non-steady state systems

Prerequisites: Admission to the Environmental Engineering Program

Co-requisites: CHEM 200, MATH 200

S-201601.34

Change to Course Title/Prefix - ENSC 350-3

Jensen

That, on the recommendation of the Senate Committee on Academic Affairs, the change to the course title/prefix for ENSC 350-3, on page 236 of the 2015/2016 undergraduate calendar, to ENGR 350-3 be approved as proposed.

Effective date: Sept. 2016

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]):

ENSC ENGR 350-3 Fluid Mechanics

This course is an introduction to fluid mechanics for environmental science, engineering, physical geography, forestry and wildlife and fisheries students. The course covers the following topics: definition of fluid, fluid properties, variation of pressure in a fluid, hydrostatics forces, buoyancy, dimensional analysis, similarities, kinematics of flow, control volumes, continuity equation, momentum equation, energy equation, and flow in closed conduits.

Prerequisites: MATH 152-3 or both of (MATH 100-3 and MATH 101-3), and PHYS 100-4 or PHYS 110-4

S-201601.35

Change to Course Title/Prefix - ENSC 451-3

Jensen

That, on the recommendation of the Senate Committee on Academic Affairs, the change to the course title/prefix for ENSC 451-3, on page 237 of the 2015/2016 undergraduate calendar, to ENGR 451-3 be approved as proposed.

Effective date: Sept. 2016

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]):

ENSC ENGR 451-3 Groundwater Hydrology

This course introduces fundamental principles of groundwater flow and their applications to solve problems related to groundwater resources evaluation, development, and management. Topics include: the role of groundwater in

geological processes; the occurrence and movement of groundwater; steady-state and transient well hydraulics; aquifer testing techniques, unsaturated flow theory, and groundwater modelling techniques.

Prerequisites: MATH 100-3 and MATH 101-3, or MATH 152-3, or permission of the instructor
Recommended: ENSC 308-3

S-201601.36

New Course Approval - ENGR 110-3

Jensen

That, on the recommendation of the Senate Committee on Academic Affairs, the new course ENGR 110-3 (Technical Writing) be approved as follows.

Proposed semester of first offering: Fall 2016

CARRIED

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

In this course, students acquire practical experience in engineering technical writing for a range of applications. The emphasis throughout is on clarity, precision and consistency. Course content includes searching and referencing methods using scientific and technical literature, argument development, and document organization. Design scenarios provide the basis for student exercises.

Prerequisites (taken prior): English 12 or equivalent

Prerequisites with concurrency (taken prior or simultaneously): none

Co-requisites (must be taken simultaneously): none

Preclusions: none

Course Equivalencies: none

S-201601.37

New Course Approval - ENGR 217-3

Jensen

That, on the recommendation of the Senate Committee on Academic Affairs, the new course ENGR 217-3 (Engineering Design II) be approved as follows.

Proposed semester of first offering: Winter 2017

CARRIED

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

This course explores the problem solving skills specific to Environmental Engineering problems while advancing students' understanding of the engineering design process. Students explore project-based design exercises. This course also includes technical writing skills.

Prerequisites (taken prior): ENGR 117-3

Prerequisites with concurrency (taken prior or simultaneously): none

Co-requisites (must be taken simultaneously): none

Preclusions: none

Course Equivalencies: none

S-201601.38

New Course Approval - ENGR 220-3

Jensen

That, on the recommendation of the Senate Committee on Academic Affairs, the new course ENGR 220-3 (Engineering Chemistry) be approved as follows.

Proposed semester of first offering: Fall 2016

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 provides an introduction to the properties and composition of natural waters. It explores gas and solid equilibria, pH, redox chemistry, complexation, corrosion treatment, acid rain, ion exchange, colloids and microbial transformations. This course also introduces students to relevant organic chemistry as applicable to environmental engineering.

Prerequisites (taken prior): none

Prerequisites with concurrency (taken prior or simultaneously): ENGR 117-3, CHEM 101-3, CHEM 121-1

Co-requisites (must be taken simultaneously): none

Preclusions: none

Course Equivalencies: none

S-201601.39

New Course Approval - HIST 335-3

Schorcht

That, on the recommendation of the Senate Committee on Academic Affairs, the new course HIST 335-3 Global History of Public Health be approved as proposed.

Proposed semester of first offering: January 2017

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 explores the history of public health in a global context from the mid-nineteenth century to the present day. It examines how health has played an integral role in the creation of nation-states, debates about morality and reproduction, and ideas about race. It also provides students with new perspectives on global history and the connections that transcended the boundaries of individual countries.

Prerequisites (taken prior): None

Prerequisites with concurrency (taken prior or simultaneously): None

Co-requisites (must be taken simultaneously): None

Preclusions: HIST 332-3 Global History of Public Health

9.2 Senate Committee on First Nations and Aboriginal Peoples

Dr. Ryan

Dr. Ryan did not have anything to report.

9.3 Senate Committee on Scholarships and Bursaries

Dr. Owen

As Dr. Owen was unable to attend the Senate meeting, Dr. Erasmus spoke on behalf of the SCSB.

"For Information" Items:

SCSB20151125.03

Revised Definition of “Health Sciences”

That the revised definition of “Health Sciences” be approved.

Effective Date: 2016-2017 Academic Year

There was a discussion on motion SCSB20151125.03 and the authority Senate has delegated to the SCSB.

It was decided that the motion could go back to the SCSB to discuss minor changes, including a broadened definition and clear language regarding program and major or minor options, and come back to Senate.

SCSB20151125.04

Revision to the London Drugs Scholarship

That the revised Terms and Conditions for the London Drugs Scholarship be approved.

Effective Date: 2016-2017 Academic Year

SCSB20151209.03

Northern First Nations Health Partnership Committee Health & Wellness Awards

That the new Terms and Conditions for the Northern First Nations Health Partnership Committee Health & Wellness Awards be approved.

Effective Date: 2016-2017 Academic Year

SCSB20151209.04

Reuben Horwitz Memorial Bursary

That the new Terms and Conditions for the Reuben Horwitz Memorial Bursary be approved.

Effective Date: 2016-2017 Academic Year

9.4 Senate Committee on Nominations (SCN) Dr. David Casperson

Dr. Casperson is now the Chair of the Senate Committee on Nominations and has not called a meeting yet. He will have more to report at the next Senate meeting.

9.5 Senate Committee on the University Budget Dr. Whitcombe

Dr. Whitcombe indicated that the Senate Committee on the University Budget has been engaged in consultation with individuals and groups from the University community and will continue to do so in the best effort to provide timely budget advice to PEC..

9.6 Steering Committee of Senate Dr. Weeks

S-201601.40

Revision to Senate Handbook — Senior University Administrators

Whitcombe

That, on the recommendation of the Steering Committee of Senate, the list of Senior University Administrators in the Senate Handbook [Section 3(e)(ix)] be revised to reflect the inclusion of the position of the University Secretary, as follows.

Effective Date: Immediately upon approval by Senate

CARRIED

10.0 S-201601.41 Approval of Motions on the Consent Agenda Dr. Weeks

Smith

That the motions on the consent agenda, except for those removed for placement on the regular agenda, be approved as presented.

CARRIED

11.0 Other Business

“For Information” Item:

11.1 Annual Report

2014/15 Annual Report to Senate from the College of Arts, Social and Health Sciences

12.0 Information

There was no information for Senate.

13.0 S-201601.42

Move to In Camera Session

Smith

That the meeting move In Camera.

CARRIED

14.0 S-201601.46

Adjournment

Schwab

That the Senate meeting be adjourned.

CARRIED

The meeting ended at 6:00 p.m.