UNIVERSITY OF NORTHERN BRITISH COLUMBIA

SENATE MEETING
PUBLIC SESSION
AGENDA

January 28, 2015
3:30 – 5:30 PM
Senate Chambers (Room 1079 Administration Building)

1.0 **S-201501.01**
Approval of the Agenda ✝
Page 1 That the agenda for the January 28, 2015 Public Session of Senate be approved as presented.

✝ **NOTE:** *The Senate Agenda for the public session consists of two parts, a consent agenda and a regular agenda.* The consent agenda contains items that are deemed to be routine or noncontroversial and are approved by the Steering Committee of Senate for placement on that agenda. Any Senator wishing to discuss any item on the consent agenda may ask the Chair of Senate that the item be removed from the consent agenda and placed on the regular agenda. Items removed from the consent agenda will be placed on the regular agenda and dealt with in the order in which they appear on the full agenda. Senators wishing to ask a question regarding an item on the consent agenda, without necessarily removing that item from the consent agenda, are strongly encouraged to direct questions to the Secretary of Senate in advance of the meeting.

2.0 **S-201501.02**
Approval of Senate Minutes
Page 4 That the minutes of the December 10, 2014 Public Session of Senate be approved as presented.

3.0 **Business Arising from Previous Minutes of Senate** *(no material)*

4.0 **President's Report** **Dr. Weeks**

5.0 **Report of the Provost** **Dr. Young**

6.0 **Report of the Registrar** **Mr. Hanschen**

7.0 **Question Period** **Dr. Weeks**

8.0 **Removal of Motions from the Consent Agenda** **Dr. Weeks**

9.0 Committee Reports

9.1 Senate Committee on Academic Affairs — Dr. Young

"For Approval" Items:

Regular **S-201501.03**
New Academic Program Proposal — Minor in Management Information Systems (MIS)
Page 23 That, on the recommendation of the Senate Committee on Academic Affairs, the new Minor in Management Information Systems (MIS) be approved as proposed.
Proposed start date: September 2015

Regular **S-201501.04**
New Course Approval — COMM 354-3
Page 28 That, on the recommendation of the Senate Committee on Academic Affairs, the new course COMM 354-3 Introduction to Business Intelligence be approved as proposed.
Proposed semester of first offering: September 2015

Consent **S-201501.05**
Changes to Course Requirements — Master of Education (Counselling) Program
Page 33 That, on the recommendation of the Senate Committee on Academic Affairs, the changes to the Counselling 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 59 of the print Graduate Calendar and on the PDF graduate calendar on the UNBC webpage be approved as proposed.
Effective date: September 2015

Consent **S-201501.06**
Changes to Degree Requirements — Natural Resources and Environmental Studies (MA Program)
Page 35 That, on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the description of NRES (MA Program), on page 76 of the 2014/2015 graduate calendar, be approved as proposed.
Effective date: September 2015

Consent **S-201501.07**
Changes to Degree Requirements — Natural Resources and Environmental Studies (MNRES Program)
Page 38 That, on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the description of NRES (MNRES Program), on page 78 of the 2014/2015 graduate calendar, be approved as proposed.
Effective date: September 2015

Consent **S-201501.08**
Changes to Degree Requirements — Natural Resources and Environmental Studies (MSc Program)
Page 41 That, on the recommendation of the Senate Committee on Academic Affairs, the change(s) to the description of NRES (MSc Program), on page 80 of the 2014/2015 graduate calendar, be approved as proposed.
Effective date: September 2015

"For Information" Items:

Consent **SCAAF201501.06**
Changes to Course Title and Calendar Description — FNST 200-3
Page 44 That the changes to the course title and calendar description for FNST 200-3 Methods and Perspectives in First Nations Studies on page 237 of the 2014/2015 undergraduate calendar, be approved as proposed.
Effective date: September 2015

Consent **SCAAF201501.07**

Changes to Course Credit Hours and Calendar Description — NRES 701-1

Page 46 That the change(s) to the course credit hours and calendar description of NRES 701 Graduate Colloquia, on page 131 of the 2014/2015 graduate calendar, be approved as proposed.
Effective date: September 2015

9.2 Senate Committee on the University Budget *(no material)* **Dr. Whitcombe**

9.3 Senate Committee on Nominations *(no material)* **Dr. Zahir**

"For Approval" Items:

Regular **S-201501.09**

Membership Changes to Senate Committees *(no material)*
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 committees as indicated, be appointed as proposed.
Effective date: Immediately upon approval by Senate

SENATE COMMITTEE POSITION TO BE FILLED ***(except as otherwise noted, all terms begin immediately)***	**CANDIDATE**
Senate Committee on First Nations and Aboriginal Peoples	
First Nations Representative — Member at Large (until March 31, 2017)	Marian Laval

10.0 S-201501.10 **Dr. Weeks**

Approval of Motions on the Consent Agenda *(no material)*
That the motions on the consent agenda, except for those removed for placement on the regular agenda, be approved as presented.

11.0 Other Business *(no material)*

12.0 Information

12.1 Presentation — *The BC Transfer System (no material)* **Dr. Adamoski / Dr. Fleming**

13.0 S-201501.11

Move to In Camera Session
That the meeting move In Camera.

14.0 S-201501.15

Adjournment
That the Senate meeting be adjourned.

UNBC UNIVERSITY OF NORTHERN BRITISH COLUMBIA

Motion Number (assigned by Steering Committee of Senate): S-201501.03

SENATE COMMITTEE ON ACADEMIC AFFAIRS

NEW ACADEMIC PROGRAM PROPOSAL

Motion: That the new Minor in Management Information Systems (MIS) be approved as proposed.

A. General Information

Program Title: Minor in Management Information Systems (MIS)

Program Objectives: To provide an option to students seeking recognition and training in the information systems from the management perspective; expose MIS students to the state of the art information technologies and applications related to business.

Credential upon Completion of the Program: Minor in Management Information Systems (MIS)

Program Offering the Degree: School of Business, CSAM

Proposed Start Date: September 2015

Suggested Institutional Priority: High. The MIS Minor will attract more students to the business program and complements our existing business majors very well.

Relationship of Proposed Program to the Mandate of the Institution: This program has the potential to increase enrolments quickly. It will also allow undergraduate students to gain the necessary experience to engage in applied research which is a prescribed goal in the University Plan.

Implications for the Cooperative Education Option: Co-op terms in MIS are an excellent option as employers in the North, e.g., Northern Health, have an on-going need for this type of expertise and student learning would be greatly facilitated by this type of experience. .

B. Program Description

General Calendar Description: The Minor in Management Information Systems requires 27 credit hours of courses:

Curriculum:

COMM 100-3	Introduction to Canadian Business
COMM 251-3	Introduction to Management Science
COMM 350-3	Production and Operations Management
COMM 351-3	Management Information Systems
or CPSC 351-3	Management Information Systems
COMM 352-3	e-Business
or COMM 346-3	Internet Marketing

COMM 353-3	Business Data Communications and Networking
or CPSC 344-3	Data Communications and Networking
COMM 354-3	Introduction to Business Intelligence

At least two of the following courses:

CPSC 324-3	Introduction to Database Systems
COMM 440-(3-6)	Internship
COMM 451-3	Project Management
GEOG 204-3	Introduction to GIS for the Social Sciences

In addition, CPSC 110-3 and CPSC 126-3 are highly recommended.

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

Alternative courses may be substituted for the above with written permission of the department Chair and Dean

Specialties within Program: N/A

Related Programs at Other Institutions: MIS is generally an integral component of all commerce majors.

Relation to Existing Programs:
The proposed Minor is primarily focused at Commerce and Computer Science Majors as it will attract students pursuing different majors within the School of Business; it will also open an avenue for students in Computer Science to pursue an applied stream

Articulation Arrangement: NONE

Consultations with Other Institutions: NONE

C. Need for Program

Enrolment Projections:

Year 1: estimated 10 to 15 students
Year 2: estimated 15 to 20 students
Year 3: estimated 15 to 25 students
Year 4: estimated 20 to 30 students
Year 5: estimated 20 to 30 students

Cultural, Social and Economic Needs: N/A

Labour Market Demands: Favourable.

Other Benefits: N/A

D. Faculty

Faculty list:

Dr Balbinder Deo

Dr Xin Ge
Dr Sungchul Choi
Dr Waqar Haque
Charles Scott
Dr Saif Zahir
Sessional Instructors

No new faculty positions are required for MIS Minor.

Expected Teaching Loads:
The proposed Minor will increase SCH teaching load in the School of Business by one course per year. The one new course, COMM 354-3 (Introduction to Business Intelligence), would be added by the School of Business to complete the MIS package. All other courses are already offered on a regular basis.

Research Funding: This Minor has the potential for opening more avenues for research funding.

E. Program Delivery

Distance Learning Components: NONE

Class Size and Structure: : Refer to individual course descriptions

Experiential Learning: NONE

F. Program Resources

Administrative Requirements: NONE

Operating Requirements: NONE

Capital Requirements: NONE

Start-up Costs: NONE

Special Resource Requirements: NONE

G. Library Resource Requirements See attached form.

H. Evaluation

Academic Quality of Program: N/A

Methods of Internal Institutional Review: N/A

Relevant External Program Experts: N/A

I. Miscellaneous

Special Features:

Attachment Pages (in addition to required Library Form): 0 pages

J. Authorization

College: Science & Management

College Council Motion Number: OMNIBUS MOTION CSAMCC 2014:12:11:04

College Council Approval Date: December 11, 2014

INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING

Brief Summary of Committee Debate:

Motion No.: SCAAF201501.03

Moved by: T. Whitcombe **Seconded by:** P. Siakaluk

Committee Decision: CARRIED.

Approved by SCAAF: January 7, 2015 _____
Date **Chair's Signature**

For recommendation to ✓, or information of _____ Senate.

Library Resource Requirements

NEW ACADEMIC PROGRAM PROPOSAL: Minor in Management Information Systems (MIS)

G. Library Resource Requirements (to be completed by Librarians)

The current journal and database subscriptions are adequate to support this course. The current library monograph holdings are NOT adequate to support this course. A one-time allocation will enable the library to build a base monograph collection. Future additions to the monograph collection can be made within the existing budget.

See attached "Minor in Management Info Systems (MIS) Library Evaluation.doc" for further details.

1. **Space Requirements:**

   a) holdings:

   b) study / work:

   Space in the Library is adequate to accommodate the increased number of students resulting from the MIS minor.

2. **Library Administrative Support Requirements:**

   Current Library Administrative Support is adequate to accommodate the MIS minor.

3. **Capital Requirements:** (other than new course-specific)

   Current capital equipment in the Library are adequate to accommodate the increased number of students resulting from the MIS minor.

4. **Holdings Requirements:** (List all new courses that carry new holdings requirements, and include total cost)

   CPSC/COMM 354-3 Introduction to Business Intelligence requires additional holdings in the Library. A one-time allocation of $4000 will enable to library to build a base monograph collection. (~50 items at $80/item as per 2013 U.S. College Book Price Information)[1] Future additions to the monograph collection can be made within the existing budget.

University Librarian (or designate) signature **Date** Jan 5/15

[1] Frederick C. Lynden, "U.S. College Book Price Information, 2013," *Choice* 51:8 (April 2014): 1358-1361.

UNBC UNIVERSITY OF NORTHERN BRITISH COLUMBIA

Motion Number (assigned by Steering Committee of Senate): S-201501.04

SENATE COMMITTEE ON ACADEMIC AFFAIRS

NEW COURSE APPROVAL MOTION FORM

Motion: That the new course COMM 354-3 Introduction to Business Intelligence be approved as follows:

A. Description of the Course

1. **Proposed semester of first offering:** September 2015
2. **Academic Program: School of Business**
3. **Course Subject, Number*, and Credit hours: COMM 354-3**
4. **Course Title:** Introduction to Business Intelligence
5. **Goal(s) of Course:** To provide students with a strong business intelligence foundation, a key factor to be successful in today's competitive market.
6. **Calendar Course Description:**

   Business intelligence involves conversion of mass data into effectively communicated information through visual, interactive media that enables evidence-based strategic decision making. Course topics include: data extract-transform-load (ETL); data quality; master data management (MDM) ; data warehouse models; conformance; star/snowflake dimensional models; online transaction processing (OLTP) ; online analytical processing (OLAP) ; effective data visualization (lead/lag key performance indicators, scorecards, dashboards, reports) ; governance; success/failure factors; and emerging trends. The students apply the concepts in a term project using leading technologies and business intelligence tools.

7. **Credit Hours:** 3 credit hours (Normally, UNBC courses are 3 credit hours and may not be repeated for additional credit. If this course falls outside the norm, please complete sections "a)" and "b)" below).

   a) Can the course be repeated for credit if the subject matter differs substantially?

   Yes* _____ No X

   ***** If "yes," please indicate the maximum number** of credit hours which may be applied to a student's degree using this course: **na**

   ****** If the course may be taken more than once but will only ever be offered for 3 credit hours, for example, per offering, the credit hours are simply expressed as "3" and the following notation (with the correct number of credit hours noted) is included within the Calendar Course Description:
   "This course may be repeated to a maximum of XX credit hours if the material is substantially different."

b) Is variable credit available for this course? Yes _____ No X

Variable credit is denoted by the following examples:

i) **"3-6"**: in this example, the course may be offered for 3, 4, 5, OR 6 credit hours during a single offering. In this example, the course number would be expressed as CHEM 210-(3-6).

ii) **"3,6"**: in this example, the course may be offered for EITHER 3 or 6 credit hours during a single offering. In this example, the course number would be expressed as CHEM 210-(3,6).

8. Contact Hours (per week):

Lecture 3 Seminar 0

Laboratory 0 Other (please specify) _____

9. Prerequisites (taken prior): None

10. Prerequisites with concurrency (taken prior or simultaneously): CPSC-324 or CPSC-351 or COMM-351

11. Co-requisites (must be taken simultaneously): None

12. Preclusions: None

13. Course Equivalencies: None

14. Grade Mode: NORMAL (i.e., alpha grade)

15. Course to be offered: each semester _____

each year _____

alternating years X

16. Proposed text / readings:

- Required: "Decision Support and Business Intelligence Systems" by Efrain Truban
- Required: "Performance Management Strategies: How to Create and Deploy Effective Metrics" by Wayne Eckerson
- Recommended: "Information Dashboard Design: The Effective Visual Communication of Data" by Stephen Few
- Other relevant, new readings will be assigned as required

B. Significance Within Academic Program

1. Anticipated enrolment 15

2. If there is a proposed enrolment limit, state the limit and explain: n/a

3. Required for: Major: _____ Minor: MIS Other: _____

4. Elective in: Major: COMM Minor: _____ Other: _____

5. Course required by another major/minor: No

6. **Course required or recommended by an accrediting agency:** No

7. **Toward what degrees will the course be accepted for credit?** Minor in MIS, Bachelor of Commerce

8. **What other courses are being proposed within the Program this year? None**

9. **What courses are being deleted from the Program this year?** None

C. Relation to Other Program Areas

1. **Identify courses in other UNBC Programs that overlap with this course; describe the overlap and comment on its significance:** None

2. **Is a preclusion required?** Yes _____ No X

3. **If there is an overlap, and no preclusion is required, please explain why not:**

4. **Has this overlap been discussed with the Program concerned?** Yes _____ No n/a

5. **In offering this course, will UNBC require facilities or staff at other institutions?**

   Yes _____ No X

   If yes, please describe requirements:

6. **Is this course replacing an existing course that is included in one or more transfer agreements with external institutions?**

   Yes _____ No X

   If "yes," please contact the Articulation Officer in the Office of the Registrar.

D. Resources required

1. **Please describe ADDITIONAL resources required over the next five years to offer this course.**

   i. College Staffing: No additional staffing. This course will be offered in alternate years to be cost neutral, as well as on demand through cost recovery basis in Spring/Summer semester.

   ii. Space (classroom, laboratory, storage, etc.):

   - Standard classroom
   - Computer Laboratory to perform labs

   iii: Library Holdings: See attached form

   iv. Computer (time, hardware, software):

   - Time: 3 hours per week to complete assignments.
   - Hardware: no additional hardware required; pre-existing computer labs and database server.
   - Software: no additional software required; pre-existing software to be used include MS Excel, PowerPivot add-in (free), data mining tools add-in (free), SQL Server with database services, analysis services, and reporting services.

E. Additional Attached Materials: Proposal for MIS Minor

F. Other Considerations

1. **First Nations Content*:** Yes** _____ No ___X___
   **** Whether a new course has First Nations content is to be determined by the relevant College Council(s).***

   ****If "yes,"** refer the motion to the Senate Committee on First Nations and Aboriginal Peoples **prior to** SCAAF.

2. **Other Information:**

3. **Attachment Pages (in addition to required "Library Holdings" Form):** ___0___ pages

G. Authorization (Please ignore — Section to be completed by Committee Recording Secretaries)

1. **College(s): Science & Management**
2. **College Council Motion Number(s): OMNIBUS MOTION CSAMCC 2014:12:11:04**
3. **College Council Approval Date(s): December 11, 2014**
4. **Senate Committee on First Nations and Aboriginal Peoples Motion Number:** Not applicable
5. **Senate Committee on First Nations and Aboriginal Peoples Meeting Date:** Not applicable

INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING

Brief Summary of Committee Debate:

Motion No.: SCAAF201501.04

Moved by: T. Whitcombe **Seconded by:** P. Siakaluk

Committee Decision: CARRIED.

Approved by SCAAF: January 7, 2015 _____
Date **Chair's Signature**

For recommendation to ___✓___, or information of _____ Senate.

Library Holdings Form
(to be submitted with SCAAF New Course Approval Motion Form)

PROPOSED NEW COURSE: CPSC / COMM 354-3 (Introduction to Business Intelligence)

Library Holdings (to be completed by the appropriate Librarian):

a) Are current library holdings adequate? Yes _____ No __X__

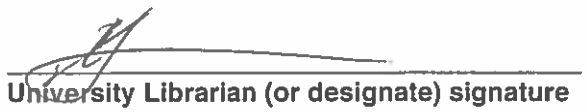
b) If no to a), what monographs / periodicals / E-resources will be needed, and at what estimated cost?

CPSC/COMM 354-3 Introduction to Business Intelligence requires additional holdings in the Library. A one-time allocation of $4000 will enable to library to build a base monograph collection. (~50 items at $80/item as per 2013 U.S. College Book Price Information)[1] Future additions to the monograph collection can be made within the existing budget.

See attached "CPSC_COMM 354-3 Library Analysis.doc" for further details.

c) If no to a), what is the proposed funding source?

Propose discussion between Library, Business and Computer Science regarding shared one-time allocation of $4000 to build base library collection. Future additions to the collection can be accomodated within the existing Library Acquisitions budget.



University Librarian (or designate) signature

Jan 5/15

Date

[1] Frederick C. Lynden, "U.S. College Book Price Information, 2013," *Choice* 51:8 (April 2014): 1358-1361.

UNBC UNIVERSITY OF NORTHERN BRITISH COLUMBIA

Motion Number (assigned by Steering Committee of Senate): S-201501.05

SENATE COMMITTEE ON ACADEMIC AFFAIRS

PROPOSED REVISION OF CALENDAR ENTRY

Motion: That the changes to the Counselling 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 59 of the print Graduate Calendar and on the PDF graduate calendar on the UNBC webpage be approved as proposed.

1. Effective date: September 2015

2. Rationale for the proposed revisions: The Counselling Program in the School of Education is beginning an accreditation process and the addition of the Educ-601-3 research methods course as a required course and a choice of either Educ-602-4 OR Educ-610 is the first of several changes that need to be made to the program.

3. Implications of the changes for other programs, etc., if applicable: No changes for other programs

4. Reproduction of current Calendar entry for the item to be revised:

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

5. Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

Required Courses

EDUC 601-3 Educational Research Design and Methodology
EDUC 613-3 Interpersonal Counselling Skills
EDUC 711-3 Counselling Theory
EDUC 712-3 Counselling Practice
EDUC 714-3 Group Counselling Processes
EDUC 717-3 Ethics in Counselling
EDUC 719-3 Counselling Practicum

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

6. Authorization: (Please ignore — Section to be completed by Committee Recording Secretaries)

Program / Academic / Administrative Unit: School of Education

College: Arts, Social and Health Sciences

College Council Motion Number: CASHSCC.2014.12.18.04

College Council Approval Date: December 18, 2014

Senate Committee on First Nations and Aboriginal Peoples Motion Number: not applicable

Senate Committee on First Nations and Aboriginal Peoples Meeting Date: not applicable

7. Other Information

Attachment Pages: 0 pages

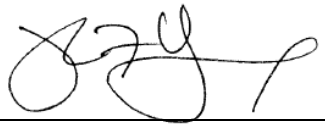
INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING

Brief Summary of Committee Debate:

Motion No.: SCAAF201501.05

Moved by: K. Smith **Seconded by:** T. Whitcombe

Committee Decision: CARRIED.

Approved by SCAAF: January 7, 2015 

Date **Chair's Signature**

For recommendation to ✓, or information of _____ Senate.

UNBC UNIVERSITY OF NORTHERN BRITISH COLUMBIA

Motion Number (assigned by Steering Committee of Senate): S-201501.06

SENATE COMMITTEE ON ACADEMIC AFFAIRS

PROPOSED REVISION OF CALENDAR ENTRY

Motion: That the change(s) to the description of NRES (MA Program), on page 76 of the 2014/2015 graduate calendar, be approved as proposed.

1. Effective date: September 2015

2. Rationale for the proposed revisions:
When NRES 701 was designed, we failed to recognize that as designed, taken over two semesters, those students beginning in the Winter Term would not be able to complete the requirement in a timely way, but would need to wait two semesters to undertake this requirement**.**

3. Implications of the changes for other programs, etc., if applicable: None

4. Reproduction of current Calendar entry for the item to be revised

The Master of Arts in Natural Resources and Environmental Studies [MA(NRES)] offers students the opportunity to pursue studies of the social dimensions of human-environment interactions from a community-based or regional perspective. The degree is distinguished by its focus on human perspectives on historical and contemporary resource and environmental issues. It encourages the study of the social, cultural, ethical, economic and political dynamics of resource and land use, and environmental change in northern ecosystems.

Students must choose from the following areas of study:

- Environmental Studies
- Geography
- Outdoor Recreation, Conservation and Tourism

All students must participate in Graduate Colloquia (NRES 701-1) during their course of studies, complete NRES 700-3 and complete a research methods course approved by their supervisor and the Chair of the NRES Graduate Program.These required courses will provide students with an informed, integrated base for understanding multi-faceted resource and environmental issues. Elective courses will provide students with the option to pursue their specialized interests.

Candidates must complete a minimum of 6 elective credit hours at the graduate level (I.e., at or above the 600 level) that emphasize the human dimensions of resource or environmental issues. A maximum of 3 credit hours from independent studies can be counted towards the elective requirement. Specific details of course work are determined by the research area chosen by each student. The supervisory committee will ensure the appropriate selection of elective courses, and may require a student to complete more than 6 credit hours if weaknesses in the student's background exist (including undergraduate prerequisites for graduate courses) or if additional courses are required for professional accreditation.

The MA (NRES) degree also requires the writing and defense of an independent research thesis (NRES 794-12).

5. Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

The Master of Arts in Natural Resources and Environmental Studies [MA(NRES)] offers students the opportunity to pursue studies of the social dimensions of human-environment interactions from a community-based or regional perspective. The degree is distinguished by its focus on human perspectives on historical and contemporary resource and environmental issues. It encourages the study of the social, cultural, ethical, economic and political dynamics of resource and land use, and environmental change in northern ecosystems.

Students must choose from the following areas of study:

- Environmental Studies
- Geography
- Outdoor Recreation, Conservation and Tourism

All students must ~~participate in~~ complete Graduate Colloquia ~~(~~NRES 701-~~1~~.5~~; registering for the course~~ twice~~)~~ during their course of studies, ~~complete~~ NRES 700-3 and ~~complete~~ a research methods course approved by their supervisor and the Chair of the NRES Graduate Program. These required courses will provide students with an informed, integrated base for understanding multi-faceted resource and environmental issues. Elective courses will provide students with the option to pursue their specialized interests.

Candidates must complete a minimum of 6 elective credit hours at the graduate level (I.e., at or above the 600 level) that emphasize the human dimensions of resource or environmental issues. A maximum of 3 credit hours from independent studies can be counted toward~~s~~ the elective requirement. Specific details of course work are determined by the research area chosen by each student. The supervisory committee will ensure the appropriate selection of elective courses, and may require a student to complete more than 6 credit hours if weaknesses in the student's background exist (including undergraduate prerequisites for graduate courses) or if additional courses are required for professional accreditation.

The MA (NRES) degree also requires ~~the~~ students to ~~writing~~ write and ~~defense~~ defend ~~of~~ an independent research thesis (NRES 794-12).

6. Authorization: (Please ignore — Section to be completed by Committee Recording Secretaries)

Program / Academic / Administrative Unit: Natural resources and Environmental Studies Graduate Program
College: College of Science and Management

College Council Motion Number: (if applicable, or state “not applicable”)

College Council Approval Date: (if applicable, or state “not applicable”)

Senate Committee on First Nations and Aboriginal Peoples Motion Number: Not applicable
Senate Committee on First Nations and Aboriginal Peoples Meeting Date Not Applicable

7. Other Information

Attachment Pages: 0 pages

INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING

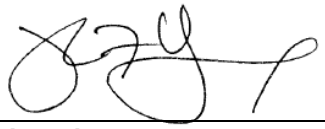
Brief Summary of Committee Debate:

Motion No.: SCAAF201501.08

Moved by: T. Whitcombe **Seconded by:** P. Siakaluk

Committee Decision: CARRIED.

Approved by SCAAF: January 7, 2015 **Date**



Chair's Signature

For recommendation to ✓, or information of _____ Senate.

UNBC UNIVERSITY OF NORTHERN BRITISH COLUMBIA

Motion Number (assigned by Steering Committee of Senate): S-201501.07

SENATE COMMITTEE ON ACADEMIC AFFAIRS

PROPOSED REVISION OF CALENDAR ENTRY

Motion: That the change(s) to the description of NRES (MNRES Program), on page 78 of the 2014/2015 graduate calendar, be approved as proposed.

1. **Effective date:** September 2015

2. **Rationale for the proposed revisions:**
When NRES 701 was designed, we failed to recognize that as designed, taken over two semesters, those students beginning in the Winter Term would not be able to complete the requirement in a timely way, but would need to wait two semesters to undertake this requirement**.**

3. **Implications of the changes for other programs, etc., if applicable: None**

4. **Reproduction of current Calendar entry for the item to be revised**

The Master of Natural Resources and Environmental Studies (MNRES) is designed to integrate the complementary aspects of resource and environmental issues. It focuses on an interdisciplinary approach to melding traditional science with social science perspectives, and resource planning and management. This degree is designed to attract students from a diverse range of backgrounds and aspirations, who share an interest in looking beyond traditional disciplinary boundaries.

The MNRES degree is one Master's degree route within the Faculty of Natural Resources and Environmental Studies (the others are a MA and a MSc). The MNRES is the only one of the three that fully embraces the interdisciplinary philosophy of the Faculty. There are three factors that determine whether a student pursues the MNRES degree: 1) student's background; 2) elective courses undertaken at UNBC and 3) thesis topic. Depending on individualized learning objectives, the MNRES degree allows flexibility in choosing a research emphasis in the social, planned or natural environments from an interdisciplinary perspective.

All students must participate in Graduate Colloquia (**NRES 701-1**) during their course of studies, take a course in integrated resource management (NRES 703-3), complete **NRES 700-3** and complete a research methods course approved by their supervisor and the Chair of the NRES Graduate Program. These required courses provide students with an informed, integrated base for understanding multi-faceted resource and environmental issues. Elective courses provide students with the opportunity to pursue their specialized interests within an interdisciplinary context. The MNRES degree also requires the completion of an independent research thesis (NRES 792-12) or non-thesis project (NRES 793-6).

5. Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

The Master of Natural Resources and Environmental Studies (MNRES) is designed to integrate the complementary aspects of resource and environmental issues. It focuses on an interdisciplinary approach to melding traditional science with social science perspectives, and resource planning and management. This degree is designed ~~to attract~~ for students from a diverse range of backgrounds and aspirations, who share an interest in looking beyond traditional disciplinary boundaries.

The MNRES degree is one Master's degree route within the ~~Faculty of~~ Natural Resources and Environmental Studies Graduate Program (the others are a MA and a MSc). The MNRES is the only one of the three that fully embraces the interdisciplinary philosophy of the Faculty. There are three factors that determine whether a student pursues the MNRES degree: 1) student's background; 2) elective courses undertaken at UNBC and 3) thesis topic. Depending on individualized learning objectives, the MNRES degree allows flexibility in choosing a research emphasis in the social, planned or natural environments from an interdisciplinary perspective.

All students must ~~participate in~~ complete Graduate Colloquia ~~(~~NRES 701-~~1.5; registering for the course~~ twice~~)~~ during their course of studies, take a course in integrated resource management (NRES 703-3), complete **NRES 700-3** and complete a research methods course approved by their supervisor and the Chair of the NRES Graduate Program. These required courses provide students with an informed, integrated base for understanding multi-faceted resource and environmental issues. Elective courses provide students with the opportunity to pursue their specialized interests within an interdisciplinary context. The MNRES degree also requires the completion of an independent research thesis (NRES 792-12) or non-thesis project (NRES 793-6).

6. Authorization: (Please ignore — Section to be completed by Committee Recording Secretaries)

Program / Academic / Administrative Unit: Natural resources and Environmental Studies Graduate Program
College: College of Science and Management

College Council Motion Number: (if applicable, or state "not applicable")

College Council Approval Date: (if applicable, or state "not applicable")

Senate Committee on First Nations and Aboriginal Peoples Motion Number: Not applicable
Senate Committee on First Nations and Aboriginal Peoples Meeting Date Not Applicable

7. Other Information

Attachment Pages: **0** pages (

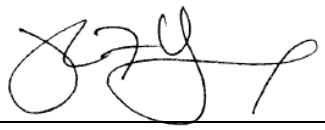
INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING

Brief Summary of Committee Debate:

Motion No.: SCAAF201501.09

Moved by: T. Whitcombe **Seconded by:** P. Siakaluk

Committee Decision: CARRIED.

Approved by SCAAF: January 7, 2015 

Date **Chair's Signature**

For recommendation to ✓, or information of _____ Senate.

UNBC UNIVERSITY OF NORTHERN BRITISH COLUMBIA

Motion Number (assigned by Steering Committee of Senate): S-201501.08

SENATE COMMITTEE ON ACADEMIC AFFAIRS

PROPOSED REVISION OF CALENDAR ENTRY

Motion: That the change(s) to the description of NRES (MSc Program), on page 80 of the 2014/2015 graduate calendar, be approved as proposed.

1. **Effective date:** September 2015

2. **Rationale for the proposed revisions:**
When NRES 701 was designed, we failed to recognize that as designed, taken over two semesters, those students beginning in the Winter Term would not be able to complete the requirement in a timely way, but would need to wait two semesters to undertake this requirement**.**

3. **Implications of the changes for other programs, etc., if applicable: None**

4. **Reproduction of current Calendar entry for the item to be revised**

Natural Resources and Environmental Studies (NRES) is one stream of the Master of Science degree in the College of Science and Management. This degree is designed for candidates whose research interests have a scientific emphasis, and is expected to attract students from science disciplines such as biology, forestry, environmental science, and physical geography, as well as other scientifically oriented areas of resource management. Students studying within the NRES stream will, upon successful completion of the degree requirements outlined herein, obtain a MSc(NRES).

Students must choose from the following areas of study:

- Biology
- Environmental Science
- Forestry
- Geography
- Recreational Resource Management

All students must participate in Graduate Colloquia (**NRES 701-1**) during their course of studies, complete **NRES 700-3** and complete a research methods course approved by their supervisor and the Chair of the NRES Graduate Program.

Candidates must complete a minimum of 6 elective credit hours at the graduate level (I.e., at or above the 600 level), selected from the science courses available at UNBC or courses that emphasize a scientific orientation to natural resource issues. A maximum of 3 credit hours from independent studies can be counted towards the elective requirement. Specific details of course work are

determined by the research area chosen by each student. The supervisory committee will ensure the appropriate selection of elective courses, and may require a student to complete more than 6 elective credit hours if, for example, weaknesses in the student's background exist (including undergraduate prerequisites for graduate courses) or if additional courses are required for professional accreditation.

The MSc (NRES) also requires the completion of a research thesis (NRES 790-12) in which the student makes a scientific contribution to a traditional science field or to an applied understanding of resources and the environment. Students are required to (a) make an oral presentation of the thesis proposal to the supervisory committee, (b) write an original thesis based on the research completed (in accordance with established UNBC guidelines), (c) give a public lecture on the completed thesis, and (d) present an oral defense of the thesis to the examining committee. All core and elective course requirements must have been satisfied prior to the oral defense.

5. Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

Natural Resources and Environmental Studies (NRES) is one stream of the Master of Science degree in the College of Science and Management. This degree is designed for candidates whose research interests have a scientific emphasis~~,~~ and ~~is expected to attract~~ students from science disciplines such as biology, forestry, environmental science, and physical geography, as well as other scientifically oriented areas of resource management. Students studying within the NRES stream will, upon successful completion of the degree requirements outlined herein, obtain a MSc (NRES).

Students must choose from the following areas of study:

- Biology
- Environmental Science
- Forestry
- Geography
- Recreational Resource Management

All students must ~~participate in~~ complete Graduate Colloquia ~~(~~NRES 701-~~1~~.5~~; registering for the course~~ twice~~)~~ during their course of studies, ~~complete~~ NRES 700-3 and ~~complete~~ a research methods course approved by their supervisor and the Chair of the NRES Graduate Program.

Candidates must complete a minimum of 6 elective credit hours at the graduate level (I.e., at or above the 600 level), selected from the science courses available at UNBC or courses that emphasize a scientific orientation to natural resource issues. A maximum of 3 credit hours from independent studies can be counted towards~~s~~ the elective requirement. Specific details of course work are determined by the research area chosen by each student. The supervisory committee will ensure the appropriate selection of elective courses~~,~~ and may require a student to complete more than 6 elective credit hours if, for example, weaknesses in the student's background exist (including undergraduate prerequisites for graduate courses) or if additional courses are required for professional accreditation.

The MSc (NRES) also requires the completion of a research thesis (NRES 790-12) in which the

student makes a scientific contribution to a traditional science field or to an applied understanding of resources and the environment. Students are required to (a) make an oral presentation of the thesis proposal to the supervisory committee, (b) write an original thesis based on the research completed (in accordance with established UNBC guidelines), (c) give a public lecture on the completed thesis, and (d) present an oral defense of the thesis to the examining committee. All core and elective course requirements must have been satisfied prior to the oral defense.

6. Authorization: (Please ignore — Section to be completed by Committee Recording Secretaries)

Program / Academic / Administrative Unit: Natural resources and Environmental Studies Graduate Program
College: College of Science and Management

College Council Motion Number: (if applicable, or state "not applicable")

College Council Approval Date: (if applicable, or state "not applicable")

Senate Committee on First Nations and Aboriginal Peoples Motion Number: Not applicable
Senate Committee on First Nations and Aboriginal Peoples Meeting Date Not Applicable

7. Other Information

Attachment Pages: 0 pages

INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING

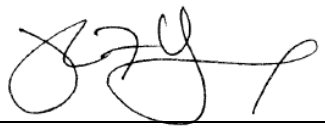
Brief Summary of Committee Debate:

Motion No.: SCAAF201501.10

Moved by: T. Whitcombe **Seconded by:** P. Siakaluk

Committee Decision: CARRIED.

Approved by SCAAF: January 7, 2015 **Date**



Chair's Signature

For recommendation to ✓, or information of _____ Senate.

UNBC UNIVERSITY OF NORTHERN BRITISH COLUMBIA

Motion Number (assigned by Steering Committee of Senate): SCAAF201501.06

SENATE COMMITTEE ON ACADEMIC AFFAIRS

PROPOSED REVISION OF CALENDAR ENTRY

Motion: That the changes to the course title and calendar description for FNST 200-3 Methods and Perspectives in First Nations Studies on page 237 of the 2014/2015 undergraduate calendar, be approved as proposed.

1. Effective date: September 2015

2. Rationale for the proposed revisions:

The revised title and course description reflects the actual nature of how the course has being offered for some time.

3. Implications of the changes for other programs, etc., if applicable:

None

4. Reproduction of current Calendar entry for the item to be revised:

FNST 200-3 Methods and Perspectives in First Nations Studies

This course provides an introduction to approaches to the cultures of contemporary First Nations including ethics of research and working with communities.

Prerequisites: FNST 100-3

5. Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

FNST 200-3 ~~Methods and~~ Perspectives in First Nations Studies

This course provides an introduction to a variety of ~~approaches to the cultures of contemporary First Nations including ethics of research and working with communities~~ perspectives within the discipline of First Nations Studies. This course explores the development of First Nations Studies and the various approaches to the cultures of contemporary First Nations that have arisen from the fields of ethnography, history, education, law, etc. Woven throughout this course is a discussion of Indigenous Knowledge systems.

Prerequisites: FNST 100-3

6. Authorization: (Please ignore — Section to be completed by Committee Recording Secretaries)

Program / Academic / Administrative Unit: FNST

College: Arts, Social and Health Sciences

College Council Motion Number: CASHSCC.2014.12.18.05

College Council Approval Date: December 18, 2014

Senate Committee on First Nations and Aboriginal Peoples Motion Number: SCFNAP 201412.03

Senate Committee on First Nations and Aboriginal Peoples Meeting Date: December 3, 2014

7. Other Information

Attachment Pages: **0** pages

INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING

Brief Summary of Committee Debate:

Motion No.: SCAAF201501.06

Moved by: B. Schorcht **Seconded by:** D. Ryan

Committee Decision: CARRIED.

Approved by SCAAF: January 7, 2015 _____
Date **Chair's Signature**

For recommendation to _____, or information of ✓ Senate.

UNBC UNIVERSITY OF NORTHERN BRITISH COLUMBIA

Motion Number (assigned by Steering Committee of Senate): SCAAF201501.07

SENATE COMMITTEE ON ACADEMIC AFFAIRS

PROPOSED REVISION OF CALENDAR ENTRY

Motion: That the change(s) to the course credit hours and calendar description of NRES 701 Graduate Colloquia, on page 131 of the 2014/2015 graduate calendar, be approved as proposed.

1. Effective date: September 2015

2. Rationale for the proposed revisions:
When NRES 701 was designed, we failed to recognize that as designed, taken over two semesters, those students beginning in the Winter Term would not be able to complete the requirement in a timely way, but would need to wait two semesters to undertake this requirement**.**

3. Implications of the changes for other programs, etc., if applicable: None

4. Reproduction of current Calendar entry for the item to be revised

NRES 701 - Graduate Colloquia
Through attendance at weekly research colloquia over the September and January Semesters, this course exposes students to styles of presentation and a range of research conducted in natural resources and environmental studies. This is a PASS/FAIL course.
Credits: 1.000

5. Proposed revision with changes underlined and deletions indicated clearly using "~~strikethrough~~":

NRES 701 - Graduate Colloquia
~~Through~~ Students attend~~ance~~ ~~at~~ weekly ~~research~~ colloquia ~~over the September and January Semesters, this course exposes students to styles of presentation and~~ on a range of research conducted in natural resources and environmental studies. Students must register twice in this course. The course is offered during the September and January semesters. This is a PASS/FAIL course.
Credit: ~~1~~.500

6. Authorization: (Please ignore — Section to be completed by Committee Recording Secretaries)

Program / Academic / Administrative Unit: Natural resources and Environmental Studies Graduate Program
College: College of Science and Management

College Council Motion Number: (if applicable, or state "not applicable")

College Council Approval Date: (if applicable, or state "not applicable")

Senate Committee on First Nations and Aboriginal Peoples Motion Number: Not applicable
Senate Committee on First Nations and Aboriginal Peoples Meeting Date: Not Applicable

7. Other Information

Attachment Pages: **0** pages

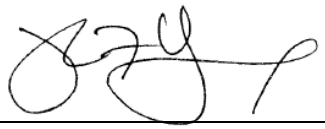
INFORMATION TO BE COMPLETED AFTER SENATE COMMITTEE ON ACADEMIC AFFAIRS MEETING

Brief Summary of Committee Debate:

Motion No.: SCAAF201501.07

Moved by: T. Whitcombe **Seconded by:** P. Siakaluk

Committee Decision: CARRIED.

Approved by SCAAF: January 7, 2015 

Date **Chair's Signature**

For recommendation to ✓, or information of _____ Senate.