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**MEMORANDUM**

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<b>ATTENTION</b>	Senate	<b>DATE</b>	November 7, 2014
<b>FROM</b>	Gordon Myers, Chair Senate Committee on Undergraduate Studies	<b>PAGES</b>	1/1
<b>RE:</b>	Faculty of Environment (SCUS 14-45)		

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**For information:**

Acting under delegated authority at its meeting of November 6, 2014 SCUS approved the following curriculum revisions.

**1. Faculty of Environment (SCUS 14-45a)**

- (i) Admission requirements for the Bachelor of Environment
- (ii) New Course Proposal: ENV 452-8, Environmental Education
  - Q/B-Sci designation
- (iii) Prerequisite change to ENV 222
- (iv) B-Soc and B-Sci designation for ENV 222

**2. Department of Geography (SCUS 14-45b)**

- (i) Lower Division requirement changes to the Geography Major program
- (ii) Upper Division requirement changes to the Physical Geography Minor program
- (iii) Upper and Lower Division requirement changes to the Physical Geography Major program
- (iv) GEOG 241- B-Soc designation



faculty of environment

MEMO

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ATTENTION Gordon Myers, Chair, SCUS

FROM Alex Clapp, Associate Dean (Undergraduate),

RE Faculty of Environment Curricular Proposals

DATE October 27, 2014

Attached please find a clarification of admission requirements to the new Bachelor of Environment.

The following were approved by the Faculty of Environment Undergraduate Curriculum Committee at its meeting of October 7, 2014 meeting and are being forwarded to SCUS for approval.

**Faculty Curriculum Submissions:**

- a. FENV Submissions
  - i. ENV 452 – New Course Proposal (attached with Q/B-Sci documentation)
  - ii. ENV 222 – Course change (attached with B-Soc/B-Sci documentation)
  
- b. GEOG Submissions
  - i. Geography Major Program Changes (attached)
  - ii. Physical Geography Minor Program Changes (attached)
  - iii. Physical Geography Major Program Changes (attached)
  - iv. B-Soc designation for GEOG 241
  
- c. REM Submissions
  - i. Minor in Resource and Environmental Management Full Program Proposal (attached)

Would you please place these proposals on the agenda of the next meeting of SCUS.

Thank you,

Alex Clapp



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**MEMORANDUM**

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<b>ATTENTION</b>	SCUS	<b>DATE</b>	October 28, 2014
<b>FROM</b>	Alex Clapp, Associate Dean, Undergraduate	<b>PAGES</b>	1/1
<b>RE:</b>	Admission Requirements, Bachelor of Environment		

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Further to the approval of the Bachelor of Environment, this is a motion from the Faculty of Environment to specify the admission requirements for this credential. Admission was addressed in the FPP for the Joint Major in Business and Environment, but not in the FPPs for Environmental Resource Management and Global Environmental Systems. Passage of this motion would rectify that omission.

The Faculty of Environment moves that the requirements be exactly the same as for admission into the Bachelor of Arts in the Faculty of Environment, for all bases of admission. The text for the admissions requirements in the calendar shall be the same as for the Bachelor of Arts in the Faculty of Environment:

<http://www.sfu.ca/students/admission-requirements.html>

Rather than listing all of those requirements for every category of admission (which would take consume many pages), it may help to illustrate the requirements for the two most popular categories of admission for the BA:

BC Secondary:

[http://www.sfu.ca/students/admission-requirements/cdn-highschool/bc\\_yukon.html](http://www.sfu.ca/students/admission-requirements/cdn-highschool/bc_yukon.html)

These are the requirements for a BC grade 12 student:

General requirements

- English language requirements
- English 11 (or Français première langue 11)
- Language 11 (includes beginner's language 11, American sign language 11 or 12, and language 12 courses)
- Science 11 (includes Applications of Physics 12, Biology 11, Chemistry 11, Earth Science 11, Forests 11, IB Environmental Systems 11, Principles of Physics 11)
- Foundations of Math 11 with a minimum grade of 60% (or Pre-Calculus 11/Foundations of Math 12/Pre-Calculus 12/Calculus 12 with a minimum grade of 60%)
- English 12 with a minimum final blended grade of 60% (or English 12 First Peoples, or Français première langue 12 with a minimum final blended grade of 60%)
- High School graduation



## Program-specific Requirements

English 12 and three additional approved Grade 12 courses from the following list:

BC First Nations Studies 12, Calculus 12, Comparative Civilization 12, Economics 12, English Literature 12, Foundations of Math 12, French 12 or français langue seconde 12, German 12, History 12, Japanese 12, Law 12, Mandarin 12, Philosophy 12 (4 units), Pre-Calculus 12, Punjabi 12, Social Justice 12, Spanish 12, Sustainable Resources 12, Biology 12, Chemistry 12, Geography 12, Geology 12, Physics 12. Only one of Foundations of Math 12 or PreCalculus 12 may be used.

BC College:

<http://www.sfu.ca/students/admission-requirements/canadian-transfer/college-university.html.html>

These are the requirements for a BC College Transfer student:

- The University's English Language admission requirement
- The University's Quantitative and Analytical skills requirement
- A minimum 24 units of transferable course work

Rather than listing the requirements for all other bases of admission (degree holders, university transfers, BC college transfers, other Canadian college transfers, BC technical program admission, other Canadian technical program admission, secondary admission for every province and territory, exchange entry, visiting entry), this motion reiterates that the admission requirements to be the same as for the Bachelor of Arts programs in the Faculty of Environment.



SENATE COMMITTEE ON  
UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL

1 OF 3 PAGES

**COURSE SUBJECT/NUMBER** ENV 452-8

**COURSE TITLE**

LONG — for Calendar/schedule, no more than 100 characters including spaces and punctuation  
Environmental Education

**AND**

SHORT — for enrollment/transcript, no more than 30 characters including spaces and punctuation  
Environmental Education

**CAMPUS** where course will be taught:  Burnaby  Surrey  Vancouver  Great Northern Way  Off campus

**COURSE DESCRIPTION (FOR CALENDAR), 50-60 WORDS MAXIMUM. ATTACH A COURSE OUTLINE TO THIS PROPOSAL.**

Examines problems entailed in developing awareness and understanding of the environment. Explores issues through a multi-disciplinary approach and develops an understanding of challenges, opportunities, strategies and possible solutions. Includes a laboratory component. Students with credit for EDUC 452 may not take this course for further credit.  
Students may be required to complete a Criminal Record Check.

**REPEAT FOR CREDIT**  NO  YES How many times? Within a term?  YES  NO

**LIBRARY RESOURCES**

NOTE: Senate has approved (S.93-11) that no new course should be approved by Senate until funding has been committed for necessary library materials. Each new course proposal must be accompanied by a library report and, if appropriate, confirmation that funding arrangements have been addressed.

In Process

Library report status

**RATIONALE FOR INTRODUCTION OF THIS COURSE**

Environmental issues form a unique problem for education because of their complex multidisciplinary basis. This environmental education course was developed to serve as a cross-listed course option to consider education and learning issues within Faculty of Environment majors. Additionally, the course may also serve other programs as an elective course. While course educational goals provide a framework for course delivery, flexibility in the focus of course projects allow the course to be used by different types of undergraduate programs. This course or its cross-listed Education 452 equivalent will form the core coursework within a number of collaboratively offered fieldschools in Metro Vancouver, Haida Gwaii and Indonesia (with SFU International).

Environmental awareness as well as associated conceptual and philosophical understandings of social and environmental issues have been an important consideration for educators for some

**SCHEDULING AND ENROLLMENT INFORMATION**

Indicate effective **term and year** course would first be offered and planned **frequency** of offering thereafter:  
Summer 2015, Up to twice per year.

Will this be a required or elective course in the curriculum?  Required  Elective

What is the probable enrollment when offered? Estimate:  
14 initially, up to 20

Course Description (for Calendar):

Examines problems entailed in developing awareness and understanding of the environment. Explores issues through a multi-disciplinary approach and develops an understanding of challenges, opportunities, strategies and possible solutions. Includes a laboratory component. Students with credit for EDUC 452 may not take this course for further credit.

Prerequisite: 90 units. Students may be required to complete a Criminal Record Check. Quantitative/Breadth-Science.

Rationale:

Environmental issues form a unique problem for education because of their complex multidisciplinary basis. This environmental education course was developed to serve as a cross-listed course option to consider education and learning issues within Faculty of Environment majors. Additionally, the course may also serve other programs as an elective course. While course educational goals provide a framework for course delivery, flexibility in the focus of course projects allow the course to be used by different types of undergraduate programs. This course or its cross-listed Education 452 equivalent will form the core coursework within a number of collaboratively offered fieldschools in Metro Vancouver, Haida Gwaii and Indonesia (with SFU International).

Environmental awareness as well as associated conceptual and philosophical understandings of social and environmental issues have been an important consideration for educators for some time. While there may be many definitions for environmental education, all necessarily involve multidisciplinary, cross-curricular and inquiry based approaches in the consideration of complex social and environmental issues:

“Environmental education is a way of understanding environments, and how humans are part of, and influence, environments. It integrates concepts and principles of the sciences and social sciences such as ecology, biogeography, sociology, environmental chemistry, environmental psychology, politics, and economics. It provides students with the opportunity to learn about their connections to the natural environment through traditional subjects and direct experience ...” (BC Ministry of Education, 2007)



**CREDITS**  
Indicate number of credits (units): **8**

Indicate number of hours for:      Lecture              Seminar              Tutorial              Lab              Other  
8 (field experience)

**FACULTY** Which of your present CFL faculty have the expertise to offer this course?  
David Zandvliet

**WQB DESIGNATION** (attach approval from Curriculum Office)  
Quantitative/Breadth Science

**PREREQUISITE**  
Does this course replicate the content of a previously-approved course to such an extent that students should not receive credit for both courses?  
If so, this should be **noted in the prerequisite.**  
90 units

**COREQUISITE**  
n/a

**STUDENT LEARNING OUTCOMES**  
Upon satisfactory completion of the course students will be able to:

Consider multidisciplinary, and inquiry based approaches in the communication or teaching of complex social and environmental issues.

Consider theories about how Environmental Education and Education for Sustainable Development are conceptualized in local / global contexts.

Develop appropriate models / methods for communicating about the environmental in the contexts of informal learning and/or workplace settings.

Critically evaluate available instructional materials and resources from a variety of sources including web, video and print based materials.

Compare / contrast learning outcomes and resource guidelines published by Governments with

**FEES**  
Are there any proposed student fees associated with this course other than tuition fees?  YES  NO





RESOURCES

List any outstanding resource issues to be addressed prior to implementation: space, laboratory equipment, etc: n/a

OTHER IMPLICATIONS

Articulation agreement reviewed? YES NO Not applicable
Exam required: YES NO
Criminal Record Check required: YES NO

APPROVALS: APPROVAL IS SIGNIFIED BY DATE AND APPROPRIATE SIGNATURE.

1 Departmental approval indicates that the Department or School has approved the content of the course, and has consulted with other Departments/Schools/Faculties regarding proposed course content and overlap issues.
Chair, Department/School Date
Chair, Faculty Curriculum Committee Date
2 Faculty approval indicates that all the necessary course content and overlap concerns have been resolved, and that the Faculty/School/Department commits to providing the required Library funds.
Dean or designate Date

LIST which other Departments, Schools and Faculties have been consulted regarding the proposed course content, including overlap issues. Attach documentary evidence of responses.

Faculty of Education

Other Faculties' approval indicates that the Dean(s) or Designate of other Faculties AFFECTED by the proposed new course support(s) the approval of the new course:

\_\_\_\_ Date \_\_\_\_\_
\_\_\_\_ Date \_\_\_\_\_

3 SCUS approval indicates that the course has been approved for implementation subject, where appropriate, to financial issues being addressed.

COURSE APPROVED BY SCUS (Chair of SCUS):
\_\_\_\_ Date \_\_\_\_\_





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**MEMORANDUM**

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**ATTENTION** Alex Clapp, Associate Dean, FENV                      **DATE** October 9, 2014

**FROM** Susan Rhodes, Director  
University Curriculum & Institutional Liaison                      **PAGES** 1

**RE:** FENV Q and B designation approvals

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The University Curriculum Office has approved the following designations for FENV course, effective Summer 2015 (1154):

ENV 452-8 – Environmental Education (proposed cross-list with EDUC 452) – Q/B-Sci

GEOG 241-3 – Social Geography – B-Soc

cc: Dan Burns, FENV  
Ivor Winton, Geography Undergraduate Chair



**EXISTING COURSE, CHANGES RECOMMENDED**

Please check appropriate revision(s):

Course number    Credit    Title    Description    Prerequisite    Course deletion    Learning Outcomes

Indicate number of hours for: Lecture \_\_\_\_\_ Seminar \_\_\_\_\_ Tutorial \_\_\_\_\_ Lab \_\_\_\_\_

**FROM** Course Subject/Number ENV 222-3 **TO** Course Subject/Number \_\_\_\_\_

Credits \_\_\_\_\_ Credits \_\_\_\_\_

**TITLE**

(1) LONG title for calendar and schedule, no more than 100 characters including spaces and punctuation.

**FROM:** \_\_\_\_\_ **TO:** \_\_\_\_\_

(2) SHORT title for enrollment and transcript, no more than 30 characters including spaces and punctuation.

**FROM:** \_\_\_\_\_ **TO:** \_\_\_\_\_

**DESCRIPTION**

**FROM:** \_\_\_\_\_

**DESCRIPTION**

**TO:** \_\_\_\_\_

**PREREQUISITE**

Does this course replicate the content of a previously approved course to such an extent that students should not receive credit for both courses? If so, this should be **noted in the prerequisite**.

**FROM:** Two of the following: GEOG 102 or REM 100 and EVSC 100 or GEOG 111.

**PREREQUISITE**

**TO:** One of the following: ARCH 100, EVSC 100, GEOG 102, GEOG 111, REM 100 or REM 200 and completion of 24 units.

**LEARNING OUTCOMES**

**RATIONALE**

Effective term and year

Summer 2015



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**MEMORANDUM**

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**ATTENTION** Alex Clapp, Associate Dean, FENV                      **DATE** September 3, 2014

**FROM** Susan Rhodes, Director    **PAGES** 1  
University Curriculum & Institutional Liaison

**RE:** ENV 222 – B-Soc/Sci designation approval

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The University Curriculum Office has approved **B-Soc and B-Sci** designations for the following FENV course, effective Summer 2015 (1154):

ENV 222 – Environmental Controversy: An interdisciplinary study of environmental issues

cc: Dan Burns, FENV