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**MEMORANDUM**

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<b>ATTENTION</b>	Senate	<b>DATE</b>	January 13, 2017
<b>FROM</b>	Mark Lechner, Acting Chair Senate Committee on Undergraduate Studies	<b>PAGES</b>	1/1
<b>RE:</b>	New Course Proposals [SCUS 17-02]		

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**For information:**

Acting under delegated authority at its meeting of January 12, 2017 SCUS approved the following curriculum revisions effective Fall 2017.

**a. Beedie School of Business [SCUS 17-02a]**

(i) New Course Proposal:

- BUS 233-3, Introduction to Business Law and Ethics
- BUS 455-3, Product & Brand Mgmt

**b. Faculty of Environment [SCUS 17-02b]**

**1. Environmental Science Program**

(i) New Course Proposals for:

- EVSC 201W-4, Environmental Science in Practice with W designation
- EVSC 300-3, Seminar in Environmental Science
- EVSC 400-4, Environmental Science Capstone (Spring 2021)
- EVSC 490-4, Environmental Science Thesis

COURSE SUBJECT NUMBER 

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

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

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

COURSE DESCRIPTION — 50 words max. Attach a course outline. Don't include WQB or prerequisites info in this description box.

Provides students with the basic legal and ethical principles and frameworks that are necessary when one is operating within a business context. The design of the course combines components of two core courses in the undergraduate business program, namely, Commercial law (Bus 393) and Business Ethics (Bus 303).

REPEAT FOR CREDIT

YES

NO

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 the email that serves as proof of assessment. For more information, please visit [www.lib.sfu.ca/about/overview/collections/course-assessments](http://www.lib.sfu.ca/about/overview/collections/course-assessments).

Library review done?

## RATIONALE FOR INTRODUCTION OF THIS COURSE

Legal and ethical considerations create risks for businesses, and these risks must be understood, avoided, minimized or managed. A practical understanding of law and ethics has thus become a critical element in any business. Having said this, while students majoring in business have access to and are required to take both Bus 393-Commercial law and Bus 303-Business Ethics, students in the Business Minor program are not required to take these courses nor do they have the same access or priority for registering in these courses. Moreover, most students in the Minor program do not want to take two additional courses to extend their education in the Minor program. Thus, many graduate from the Minor program without any grounding in the very important areas of business law and ethics. This is most unfortunate as grounding in business law and ethics is, arguably, as important as any of the mandatory or required courses in the Minor program.

In creating a single Bus 233 course and combining core elements of both Bus 393 and Bus 303 in this course and making the course a requirement in the Minor program will serve students in the Minor program well as it will sufficiently equip them with knowledge and skills necessary to recognize and address ethical and legal questions they may confront in the business world. Moreover, taking a single course rather than two courses to obtain this essential education is less burdensome on students in the Minor program. They will not be unduly extending their time spent in the Minor program with just one additional course.



SCHEDULING AND ENROLLMENT INFORMATION

Term and year course would first be offered (e.g. FALL 2016) Fall 2017

Term in which course will typically be offered [checked] Spring [checked] Summer [checked] Fall
Other (describe)

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

What is the probable enrollment when offered? Estimate: 50 students

UNITS

Indicate number of units: 3

Indicate no. of contact hours: [ ] Lecture 3 Seminar [ ] Tutorial [ ] Lab [ ] Other; explain below

OTHER

[Empty box for other information]

FACULTY

Which of your present CFL faculty have the expertise to offer this course?

Shafik Bhalloo, Robert Adamson, Robin Elliot

WQB DESIGNATION

(attach approval from Curriculum Office)

[Empty box for WQB designation]

PREREQUISITE AND / OR COREQUISITE

12 units

EQUIVALENT COURSES

Does this course replicate the content of a previously-approved course to such an extent that students should not receive credit for both courses?

Students with credit for BUS 303 or BUS 393 may not take this course for further credit



**FEES**

Are there any proposed student fees associated with this course other than tuition fees?

YES

NO

**COURSE - LEVEL EDUCATIONAL GOALS (OPTIONAL)**

**RESOURCES**

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

**OTHER IMPLICATIONS**

Final exam required  YES  NO

Criminal Record Check required  YES  NO

**OVERLAP CHECK**

Checking for overlap is the responsibility of the Associate Dean.

Each new course proposal must have confirmation of an overlap check completed prior to submission to the Faculty Curriculum Committee.

**Name of Originator**

Shafik Bhalloo



COURSE SUBJECT BUS

NUMBER 455

COURSE TITLE LONG — for Calendar/schedule, no more than 100 characters including spaces and punctuation  
Product & Brand Management

COURSE TITLE SHORT — for enrollment/transcript, no more than 30 characters including spaces and punctuation  
Product & Brand Mgmt

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

COURSE DESCRIPTION — 50 words max. Attach a course outline. Don't include WQB or prerequisites info in this description box.  
Designed for students seeking a position in product management, topics include defining the role of the product manager; understanding your product as a business; organizational structures, informal networks and how the influential product manager taps into them; product lifecycles (PLC); building visibility and cross-functional teams; competitor analysis; pricing methods and the 4Ps.

REPEAT FOR CREDIT  YES  NO 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 the email that serves as proof of assessment. For more information, please visit [www.lib.sfu.ca/about/overview/collections/course-assessments](http://www.lib.sfu.ca/about/overview/collections/course-assessments).

RATIONALE FOR INTRODUCTION OF THIS COURSE

This course has been offered as a special topics course several times. It is taken by students who are interested in both marketing and innovation and entrepreneurship. As a course dealing with product and brand management, it is of interest to students who are ready to pursue entry-level product management positions, or create their own role, should such a role not currently exist with their employer. Students will acquire significant practical knowledge that can be applied on the job, and will also develop a deeper self-awareness and capacity for influencing others, so central to the product manager's success. Because the course will be continuing into the future, it is necessary to make the course a permanent one within the Undergraduate Program.



**SCHEDULING AND ENROLLMENT INFORMATION**

Term and year course would first be offered (e.g. FALL 2016) **Fall 2017**

Term in which course will typically be offered  Spring  Summer  Fall

Other (describe)

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

What is the probable enrollment when offered? Estimate: **35**

**UNITS** **3**  
Indicate number of units:

Indicate no. of contact hours:      Lecture **3**      Seminar      Tutorial      Lab      Other; explain below

**OTHER**

**FACULTY**

Which of your present CFL faculty have the expertise to offer this course?

**WQB DESIGNATION**

(attach approval from Curriculum Office)

None.

**PREREQUISITE AND / OR COREQUISITE**

Prerequisite: BUS 254, BUS 343, BUS 360W, 90 units.



**EQUIVALENT COURSES** [For more information on equivalency, see Equivalency Statements under [Information about Specific Course components.](#)]

**1. SEQUENTIAL COURSE** [is not hard coded in the student information management system (SIMS).]

Students who have taken *(place relevant course(s) in the blank below (ex: STAT 100))* **first** may not then take this course for further credit.

**2. ONE-WAY EQUIVALENCY** [is not hard coded in SIMS.]

*(Place relevant course(s) in the blank below (ex: STAT 100))* will be accepted in lieu of this course.

**3. TWO-WAY EQUIVALENCY** [is hard coded and enforced by SIMS.]

Students with credit for *(place relevant course(s) in the blank below (ex: STAT 100))* may not take this course for further credit.

Does the partner academic unit agree that this is a two-way equivalency?  YES  NO

*Please also have the partner academic unit submit a course change form to update the course equivalency for their course(s).*

**4. SPECIAL TOPICS PRECLUSION STATEMENT** [is not hard coded in SIMS.]

If students took Product & Brand Management as a selected topics (BUS 491, 492, 493, 494, 495, 496) they may not receive further credit for this course.

#### FEES

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

#### COURSE – LEVEL EDUCATIONAL GOALS (OPTIONAL)



**RESOURCES**

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

**OTHER IMPLICATIONS**

Final exam required  YES  NO

Criminal Record Check required  YES  NO

**OVERLAP CHECK**

Checking for overlap is the responsibility of the Associate Dean.

Each new course proposal must have confirmation of an overlap check completed prior to submission to the Faculty Curriculum Committee.

**Name of Originator**

Stephen Spector

COURSE SUBJECT NUMBER 

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

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

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

COURSE DESCRIPTION — 50 words max. Attach a course outline. Don't include WQB or prerequisites info in this description box.

A survey of environmental science practice that exposes students to what environmental scientists do, with guest lectures from environmental scientists and practitioners across contributing disciplines and workplaces. Coursework emphasizes literature research, analysis and synthesis along with scientific writing and communication skills.

REPEAT FOR CREDIT  YES  NO 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 the email that serves as proof of assessment. For more information, please visit [www.lib.sfu.ca/about/overview/collections/course-assessments](http://www.lib.sfu.ca/about/overview/collections/course-assessments).

Library review done? 

## RATIONALE FOR INTRODUCTION OF THIS COURSE

EVSC 201 will develop core scientific communication skills through scaffolded writing tasks, and emphasize interdisciplinarity through engagement with diverse environmental science practitioners. EVSC 201 will also provide a required lower division W course to aid in student progress and completion. Priority will be given to EVSC majors to promote cohort identity, but enrolment could expand to other students with biophysical science backgrounds as teaching resources become available.

The 2015 EVSC Program review recommendations included changes to the EVSC core courses to build program cohesiveness, demonstrate the interdisciplinary nature of environmental science, build interest in graduate study, and foster core skills such as problem-solving and communication that are critical for success in Environmental Science. The goals, structure and timing of EVSC 201 are designed to fit into the new core course structure recommended by the external review committee: EVSC 100 Introduction to Environmental Science; EVSC 201W Environmental Science in Practice; EVSC 300 Seminar in Environmental Science; EVSC 305 Methods in Environmental Science; EVSC 400 Environmental Science Capstone.



SCHEDULING AND ENROLLMENT INFORMATION

Term and year course would first be offered (e.g. FALL 2016) Fall 2017

Term in which course will typically be offered [ ] Spring [ ] Summer [x] Fall
Other (describe)

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

What is the probable enrollment when offered? Estimate: 75

UNITS

Indicate number of units: 4

Indicate no. of contact hours: 2 Lecture [ ] Seminar 2 Tutorial [ ] Lab [ ] Other; explain below

OTHER

[Empty box for other information]

FACULTY

Which of your present CFL faculty have the expertise to offer this course?

EVSC Lecturer (M. Branfireun) will offer this course. CFL faculty from the Faculties of Environment and Science would act as guest lecturers, including EVSC Director J. Venditti.

WQB DESIGNATION

(attach approval from Curriculum Office)

W Rationale: Builds writing skills in lower division in preparation for new upper division courses. Provides lower division W course within program to ease completion WQB requirements for EVSC majors.

PREREQUISITE AND / OR COREQUISITE

Prerequisite: EVSC 100
Prerequisite for: EVSC 300

EQUIVALENT COURSES

Does this course replicate the content of a previously-approved course to such an extent that students should not receive credit for both courses?

No.



**FEES**

Are there any proposed student fees associated with this course other than tuition fees?

YES

NO

**COURSE - LEVEL EDUCATIONAL GOALS (OPTIONAL)**

EVSC 201 meets program-level educational goals 1, 2 and 3, as developed by the Environmental Science Steering Committee in Fall 2014 (see attached).

**Course-Level Educational Goals**

At course completion, successful EVSC 201 students will demonstrate:

- broad understanding of environmental science practice across diverse workplaces including government, education, consulting, industry, planning, resource management, and community outreach (EG #1)
- ability to critically evaluate environmental science literature using journal databases and online resources (EG #2)
- ability to effectively summarize scholarly articles and other sources of information (EG #2)
- ability to synthesize findings from multidisciplinary environmental science studies (EG #2)
- effective written articulation of knowledge in a concise, scientific style (EG #3)
- effective visual, oral, and written communication of knowledge to academic, government, industrial and general audiences (EG #3)
- ability to cite information sources properly and consistently (EG #3)
- understanding and avoidance of plagiarism (EG #3)
- ability to collaborate successfully with peers

**RESOURCES**

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

None: existing resources are sufficient to support this course.

**OTHER IMPLICATIONS**

Final exam required  YES  NO

Criminal Record Check required  YES  NO

**OVERLAP CHECK**

Checking for overlap is the responsibility of the Associate Dean.

Each new course proposal must have confirmation of an overlap check completed prior to submission to the Faculty Curriculum Committee.

**Name of Originator**

Marnie Branfireun, Lecturer, Faculty of Environment



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**MEMORANDUM**

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**ATTENTION** Alex Clapp, Associate Dean, FENV      **DATE** November 25, 2016  
**FROM** Susan Rhodes,  
Director, University Curriculum &  
Institutional Liaison      **PAGES** 1  
**RE:** EVSC W approval

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The University Curriculum Office has approved **W** designation for the following proposed new course, effective Fall 2017 (1177):

EVSC 201 Environmental Science in Practice

Please forward this memo to your Faculty UCC, SCUS and Senate for further approval.

cc. Jeremy Venditti, Director, EVSC

COURSE SUBJECT NUMBER 

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

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

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

COURSE DESCRIPTION — 50 words max. Attach a course outline. Don't include WQB or prerequisites info in this description box.

Provides Environmental Science students the opportunity to investigate an environmental science topic in depth, through lecture and bi-weekly guest speakers from diverse sectors (academia, government, industry and NGOs).

REPEAT FOR CREDIT  YES  NO 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 the email that serves as proof of assessment. For more information, please visit [www.lib.sfu.ca/about/overview/collections/course-assessments](http://www.lib.sfu.ca/about/overview/collections/course-assessments).

Library review done? 

## RATIONALE FOR INTRODUCTION OF THIS COURSE

- EVSC 300 will be offered in lieu of EVSC 399 and EVSC 499. EVSC 399 and 499 were offered as a combined Pass/Fail course, intended to foster cohesion between cohorts. They have failed to do this in recent years due to the combined format and increased course enrollment from 20 to >60. EVSC 300 differs by including some substantive coursework (regular graded assignments and a final essay) and is offered as one 300-level course rather than spanning the 300 and 400 levels.

- The 2015 EVSC program review recommendations included changes to the EVSC core courses to build program cohesiveness, demonstrate the interdisciplinary nature of environmental science, build interest in graduate study, and foster core skills such as problem-solving and communication that are critical for success in Environmental Science. The goals, structure and timing of EVSC 300 are designed to fit into the new core course structure recommended by the external review committee: EVSC 100 Introduction to Environmental Science; EVSC 201W Environmental Science in Practice; EVSC 300 Seminar in Environmental Science; EVSC 305 Methods in Environmental Science; EVSC 400 Environmental Science Capstone.

- EVSC 300 is required as part of the Educational Goals and Assessment Plan submitted to Senate as part of external review documentation. It is part of a series of core cohort course that allow assessment of program-wide educational goals (EG #1, #2, #3 and #4; Attached). Without this 300-level EVSC course, we are unable to undertake any assessment at this level.



SCHEDULING AND ENROLLMENT INFORMATION

Term and year course would first be offered (e.g. FALL 2016) Fall 2017

Term in which course will typically be offered [X] Spring [ ] Summer [X] Fall

Other (describe)

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

What is the probable enrollment when offered? Estimate: 40

UNITS

Indicate number of units: 3

Indicate no. of contact hours: [ ] Lecture [3] Seminar [ ] Tutorial [ ] Lab [ ] Other; explain below

OTHER

[Empty box for other information]

FACULTY

Which of your present CFL faculty have the expertise to offer this course?

EVSC Director or EVSC Lecturer (M. Branfireun).

WQB DESIGNATION

(attach approval from Curriculum Office)

None

PREREQUISITE AND / OR COREQUISITE

Prerequisite: EVSC 201W
Prerequisite for: EVSC 400

EQUIVALENT COURSES

Does this course replicate the content of a previously-approved course to such an extent that students should not receive credit for both courses?

Yes. EVSC 399/499 served a similar purpose but were unpopular and increasingly difficult to mount due to the high numbers of students. We do not intend to offer 399/499 after spring 2017.



**FEES**

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

**COURSE - LEVEL EDUCATIONAL GOALS (OPTIONAL)**

EVSC 300 meets program-level educational goals 1, 2 and 3, as developed by the Environmental Science Steering Committee in Fall 2014 (see attached).

Course-Level Educational Goals  
At course completion, successful EVSC 300 students will demonstrate:

- broad understanding of a selected, current environmental topic from primarily science, but also social science, perspectives (EG #1)
- ability to critically evaluate environmental science literature of diverse types (EG #2)
- ability to synthesize information from multidisciplinary environmental science studies (EG #2)
- ability to draw evidence-based conclusions (EG #2)
- effective written articulation of knowledge in a concise, scientific style (EG #3)
- professional visual, oral, and written communication of knowledge in formats suitable to scientific, government, and industrial workplaces, and for the general public (EG #3)
- professional collaboration with peers
- understanding of social, economic and political contexts for an environmental issues (EG #4)
- understanding of causes of, and solutions to, a major environmental problem (EG #4)
- ability to integrate understanding from contributing disciplines that may include: 1) methods of environmental trade-off analysis, 2) methods of environmental valuation (stated and revealed preferences), 3) the legislative framework for management actions and 4) the role of stake-holders in decision making (EG #4)

**RESOURCES**

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

None: existing resources are sufficient to support this course.

**OTHER IMPLICATIONS**

Final exam required  YES  NO  
Criminal Record Check required  YES  NO

**OVERLAP CHECK**

Checking for overlap is the responsibility of the Associate Dean.  
Each new course proposal must have confirmation of an overlap check completed prior to submission to the Faculty Curriculum Committee.

**Name of Originator**

Marnie Branfireun, Lecturer, Faculty of Environment

COURSE SUBJECT NUMBER 

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

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

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

COURSE DESCRIPTION — 50 words max. Attach a course outline. Don't include WQB or prerequisites info in this description box.

In the final year of undergraduate study, students from all Environmental Science concentrations will integrate their disciplinary, science backgrounds to solve environmental problems. Project-based coursework will promote collaborative group work, emphasizing research skills, data analysis, scientific writing and communication, preparing students for employment as Environmental Scientists.

REPEAT FOR CREDIT  YES  NO 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 the email that serves as proof of assessment. For more information, please visit [www.lib.sfu.ca/about/overview/collections/course-assessments](http://www.lib.sfu.ca/about/overview/collections/course-assessments).

Library review done? 

## RATIONALE FOR INTRODUCTION OF THIS COURSE

- EVSC 400 will promote interdisciplinarity by serving as a venue for integration of disciplinary knowledge learned in each of the program concentrations. Coursework will encourage collaborative work skills required for successful employment in government, education, environmental consulting, industry, NGOs and community outreach.
- The 2015 EVSC program review recommendations included changes to the EVSC core courses to build program cohesiveness, demonstrate the interdisciplinary nature of environmental science, build interest in graduate study, and foster core skills such as problem-solving and communication that are critical for success in Environmental Science. The goals, structure and timing of EVSC 400 are designed to fit into the new core course structure recommended by the external review committee: EVSC 100 Introduction to Environmental Science; EVSC 201W Environmental Science in Practice; EVSC 300 Seminar in Environmental Science; EVSC 305 Methods in Environmental Science; EVSC 400 Environmental Science Capstone.
- EVSC 400 is required as part of the Educational Goals and Assessment Plan submitted to Senate as part of external review documentation. It is part of a series of core cohort course that allow assessment of program-wide educational goals (EG #1, #2, #3 and #4; Attached). Without a 400-level EVSC course, we are unable to undertake any assessment as students exit the program.



SCHEDULING AND ENROLLMENT INFORMATION

Term and year course would first be offered (e.g. FALL 2016) Spring 2021

Term in which course will typically be offered [X] Spring [ ] Summer [X] Fall

Other (describe)

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

What is the probable enrollment when offered? Estimate: 40

UNITS

Indicate number of units: 4

Indicate no. of contact hours: 4 Lecture [ ] Seminar [ ] Tutorial [ ] Lab [ ] Other; explain below

OTHER

FACULTY

Which of your present CFL faculty have the expertise to offer this course?

The EVSC program director (currently J. Venditti). Course could be taught by any FENV faculty with expertise in Environmental Science.

WQB DESIGNATION

(attach approval from Curriculum Office)

None

PREREQUISITE AND / OR COREQUISITE

EVSC 300 and EVSC 305

EQUIVALENT COURSES

Does this course replicate the content of a previously-approved course to such an extent that students should not receive credit for both courses?

No

**FEES**

Are there any proposed student fees associated with this course other than tuition fees?

YES

NO

**COURSE - LEVEL EDUCATIONAL GOALS (OPTIONAL)**

EVSC 400 meets program-level educational goals 2, 3, and 4 as developed by the Environmental Science Steering Committee in Fall 2014 (see attached).

**Course-Level Educational Goals**

At course completion, successful EVSC 400 students will demonstrate:

- ability to synthesize and articulate the knowledge and skills gained through disciplinary study in EVSC program concentrations (EG #2)
- ability to critically evaluate scientific studies, interpret data and synthesize information from multidisciplinary studies (EG #2)
- ability to work collaboratively with fellow students from other EVSC program concentrations to to define and solve scientific aspects of environmental challenges
- effective visual, oral and written communication, including scientific writing for scientific, government, industrial or general audiences (EG #3)
- ability to communicate the causes of and potential solutions to major modern global environmental problems through understanding of broader social, political and economic contexts (EG #4)

Additional educational goals may be articulated by faculty responsible for the capstone course depending on their expertise and focus of the course.

**RESOURCES**

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

Faculty and TA resources. Access to a wet lab space is required.

**OTHER IMPLICATIONS**

Final exam required  YES  NO

Criminal Record Check required  YES  NO

**OVERLAP CHECK**

Checking for overlap is the responsibility of the Associate Dean.

Each new course proposal must have confirmation of an overlap check completed prior to submission to the Faculty Curriculum Committee.

**Name of Originator**

Jeremy Venditti, Director, EVSC Program / Marnie Branfireun, Lecturer, Faculty of Environment



COURSE SUBJECT Environmental Science NUMBER 490

COURSE TITLE LONG — for Calendar/schedule, no more than 100 characters including spaces and punctuation Environmental Science Thesis

COURSE TITLE SHORT — for enrollment/transcript, no more than 30 characters including spaces and punctuation Environmental Science Thesis

CAMPUS where course will be normally taught: [X] Burnaby [ ] Surrey [ ] Vancouver [ ] Great Northern Way [ ] Off campus

COURSE DESCRIPTION — 50 words max. Attach a course outline. Don't include WQB or prerequisites info in this description box. Independent research on an environmental science topic, undertaken under the supervision of SFU faculty with the permission of the EVSC Director.

REPEAT FOR CREDIT [X] YES [ ] NO How many times? 1 Within a term? [X] 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 the email that serves as proof of assessment. For more information, please visit www.lib.sfu.ca/about/overview/collections/course-assessments.

Library review done? [ ]

RATIONALE FOR INTRODUCTION OF THIS COURSE Presently, senior honours students wishing to pursue graduate work and interested in a senior project must take a thesis course outside of EVSC. EVSC 490 will provide an opportunity for senior students to undertake independent environmental science research within the Faculty of Environment.



SCHEDULING AND ENROLLMENT INFORMATION

Term and year course would first be offered (e.g. FALL 2016) Fall 2017

Term in which course will typically be offered [X] Spring [X] Summer [X] Fall

Other (describe)

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

What is the probable enrollment when offered? Estimate: 5

UNITS

Indicate number of units: 4

Indicate no. of contact hours: 4 Lecture [ ] Seminar [ ] Tutorial [ ] Lab [ ] Other; explain below

OTHER

Individual student contact with supervisor.

FACULTY

Which of your present CFL faculty have the expertise to offer this course?

Faculty across the university will supervise students, subject to their interest and approval by the EVSC Director.

WQB DESIGNATION

(attach approval from Curriculum Office)

None

PREREQUISITE AND / OR COREQUISITE

EVSC 305, 90 units and consent of EVSC Director.

EQUIVALENT COURSES

Does this course replicate the content of a previously-approved course to such an extent that students should not receive credit for both courses?

There is no equivalent course that can be taken across all the concentrations. GEOG 491, BISC 490, BISC491 and BISC492W are antirequisites.



**FEES**

Are there any proposed student fees associated with this course other than tuition fees?

YES

NO

**COURSE - LEVEL EDUCATIONAL GOALS (OPTIONAL)**

EVSC 490 meets program-level educational goals 2, 3, 5, and 6 as developed by the Environmental Science Steering Committee in Fall 2014 (see attached).

**Course-Level Educational Goals**

At course completion, successful EVSC 450 students will demonstrate:

- the ability to critically evaluate scientific studies, interpret data, and synthesize information from multidisciplinary studies (EG #2)
- effective oral, visual, and written communication skills, including scientific writing for scientific audiences (EG #3)
- discipline specific knowledge pertaining to their area of concentration (EG #5)
- proficiency in sampling and experimental design, quantitative methods of data analysis and interpretation (EG #6)

**RESOURCES**

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

Faculty supervisor resources will support most work. Access to lab space and/or equipment may be required.

**OTHER IMPLICATIONS**

Final exam required  YES  NO

Criminal Record Check required  YES  NO

**OVERLAP CHECK**

Checking for overlap is the responsibility of the Associate Dean.

Each new course proposal must have confirmation of an overlap check completed prior to submission to the Faculty Curriculum Committee.

**Name of Originator**

Marnie Branfireun, Lecturer, Faculty of Environment