SFU OFFICE OF THE ASSOCIATE VICE-PRESIDENT, ACADEMIC

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MEMORANDUM

ATTENTION	Senate	DATE	July 9, 2021
FROM	Elizabeth Elle, Vice-Chair Senate Committee on Undergraduate Studies	PAGES	1/1
RE:	New Course Proposals (SCUS 21-56)		

For information:

Acting under delegated authority at its meeting of July 8, 2021, SCUS approved the following curriculum revisions effective Summer 2022.

a. Faculty of Applied Sciences

1. School of Sustainable Energy Engineering

(i) New course proposals:

- SEE 498-3, Sustainable Energy Engineering Undergraduate Honours Thesis Proposal
- SEE 499-9, Sustainable Energy Engineering Undergraduate Honours Thesis

Senators wishing to consult a more detailed report of curriculum revisions may do so on the Senate Docushare repository at https://docushare.sfu.ca/dsweb/View/Collection-12682.

SFU SENATE COMMITTEE ON UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL

COURSE SUBJECT SEE **NUMBER** 498

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

Sustainable Energy Engineering Undergraduate Honours Thesis Proposal

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

SEE Honours Thesis Proposal

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.

Supervised study, research and preliminary work leading to a formal proposal for the thesis project work in SEE 499. This activity can be directly augmented by other course work and by directed study. The locale of the work may be external to the University or within a University laboratory, or may bridge the two locations. A plan for the student's SEE 498 activities must be submitted to the school at the time of enrolment in the course and must include agreement from the supervisory committee. At least two of the three supervisors must be registered professional engineers, and at least one must be a faculty member in SEE. Completion of the undergraduate thesis project proposal is the formal requirement of this course and the basis upon which it is graded. Grading will be on a pass/fail basis.

REPEAT FOR CREDIT ☐ YES ☑ NO Total completions allowed ☐ 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.

RATIONALE FOR INTRODUCTION OF THIS COURSE

Introducing an honours program in the SEE Bachelor of Applied Science provides more options for our students. This course matches similar courses in ENSC, MSE and CS.

SCHEDULING AND ENROLLMENT INFORMATION

Effective term and year (e.g. FALL 2016) Summer 2022

Term in which course will typically be offered ☐ Spring ☐ Summer ☐ Fall

Other *(describe)* Available anytime.

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

What is the probable enrollment when offered? Estimate: 5

UNITS

Indicate number of units: 3

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

OTHER

Honours thesis - no classroom hours - contact with supervisory committee as needed.

FACULTY

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

SEE Faculty - as appropriate for the honours topic for any given student. Since the honours topic will be chosen in consultation with a faculty member, and any faculty member can supervise an honours thesis, potentially any faculty member in SEE could offer the course.

WQB DESIGNATION

(attach approval from Curriculum Office)

PREREQUISITE AND / OR COREQUISITE

At least 115 units with a minimum 3.0 CGPA and approval of the department, or permission of the academic supervisor.

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.]

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:

None.

OTHER IMPLICATIONS

Final exam required ☐ YES ☑ NO

Criminal Record Check required ☐ YES ☑ NO

OVERLAP CHECK

Checking for overlap is the responsiblity 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

Mehran Ahmadi

COURSE SUBJECT SEE **NUMBER** 499

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

Sustainable Energy Engineering Undergraduate Honours Thesis

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

SEE Honours Thesis

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 thesis based on a research or development project that incorporates a significant level of engineering design. Typically undertaken in the student's final year, but in no case before the student has completed 115 units. Registration for SEE 499 takes place in the term in which the thesis will be presented and defended. The locale of the work, supervision and other arrangements follow those for SEE 498. Grading of the thesis will be on a pass/fail basis, but recognition will be given to outstanding work.

REPEAT FOR CREDIT ☐ YES ☑ NO Total completions allowed ____ Within a term? ☐ YES ☐ NO

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Term in which course will typically be offered ☐ Spring ☐ Summer ☐ Fall

Other *(describe)* Available anytime.

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

What is the probable enrollment when offered? Estimate: 5

UNITS

Indicate number of units: 9

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

OTHER

Honours thesis - no classroom hours - contact with supervisory committee as needed.

FACULTY

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

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WQB DESIGNATION

(attach approval from Curriculum Office)

PREREQUISITE AND / OR COREQUISITE

SEE 498

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