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MEMORANDUM

ATTENTION Senate
FROM Wade Parkhouse, Chair
Senate Committee on
Undergraduate Studies
RE: New Course Proposals

DATE October 2, 2020
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For information:

Acting under delegated authority at its meeting of October 1, 2020 SCUS approved the following curriculum revisions effective Summer 2021.

a. Faculty of Applied Sciences (SCUS 20-68)**1. School of Sustainable Energy Engineering**

- (i) New Course Proposal: SEE 486-3, Directed Studies in Sustainable Energy Engineering

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>.

COURSE SUBJECT Sustainable Energy Engineering

NUMBER SEE 486

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

Directed Studies in Sustainable Energy Engineering

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

Directed Studies

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.

Directed reading and research in a topic chosen in consultation with a supervisor. Admission requires agreement by a proposed faculty supervisor and submission of a proposal to the school at least one month prior to the start of the term in which the course will be taken. Upon completion of a directed study course, the student must submit a copy of the 'deliverables' to the chair of the undergraduate curriculum committee.

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

The purpose of Directed Studies courses is to make it possible to work with a SEE faculty member on a reading or a research project of mutual interest. Directed Studies courses may not duplicate material covered in other SEE courses.

Some reasons for a student to take Directed Studies courses are:

1. To continue a reading or research project begun in a course.
2. To develop or assess potential research interests,
3. To gain additional knowledge and practical experience in designing, conducting, analyzing, and documenting research in sustainable energy engineering field.

SCHEDULING AND ENROLLMENT INFORMATION

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

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:

UNITS

Indicate number of units:

Indicate no. of contact hours: Lecture 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)

PREREQUISITE AND / OR COREQUISITE

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.

N/A

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.

N/A

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.

N/A

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)

Depending on the reading/research, and defined deliverables.

RESOURCES

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

The SEE program will be housed in a SRYE building. FAS curriculum development staff are regularly liaising with SFU Facilities staff to ensure the required resources will be available.

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

Mehran Ahmadi, Lecturer, Sustainable Energy Engineering, Faculty of Applied Science