

# SEE4993: RESEARCH SEMINAR

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## Effective Term

Semester A 2022/23

## Part I Course Overview

### Course Title

Research Seminar

### Subject Code

SEE - School of Energy and Environment

### Course Number

4993

### Academic Unit

School of Energy and Environment (E2)

### College/School

School of Energy and Environment (E2)

### Course Duration

Two Semesters

### Credit Units

0-1

### Level

B1, B2, B3, B4 - Bachelor's Degree

### Medium of Instruction

English

### Medium of Assessment

English

### Prerequisites

Nil

### Precursors

Nil

### Equivalent Courses

Nil

### Exclusive Courses

Nil

## Part II Course Details

### Abstract

This course aims to expose students to new research in the fields of energy and environment. Students will attend research seminars for at least two semesters. Throughout the course, students will learn to think critically and creatively, apply

and integrate knowledge acquired from other courses, deepen their understanding of energy and environmental concepts, evaluate scholarship, pose questions, and participate in scientific discourse.

### Course Intended Learning Outcomes (CILOs)

CILOs		Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Discover new knowledge	50	x	x	
2	Critically analyze and integrate information and data	50	x	x	

#### A1: Attitude

Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

#### A2: Ability

Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

#### A3: Accomplishments

Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

### Teaching and Learning Activities (TLAs)

TLAs	Brief Description	CILO No.	Hours/week (if applicable)
1	There will be no formal lectures. Students will attend research seminars for at least two semesters.	1, 2	Variable

### Assessment Tasks / Activities (ATs)

ATs	CILO No.	Weighting (%)	Remarks (e.g. Parameter for GenAI use)
1	Attend research seminars	1, 2	100

#### Continuous Assessment (%)

100

#### Examination (%)

0

#### Examination Duration (Hours)

N/A

#### Additional Information for ATs

Students will provide documentation of their research seminar attendance.

Examination duration: N/A

Percentage of coursework, examination, etc.: 100% by coursework

To pass a course, a student must do ALL of the following:

- 1) obtain at least 30% of the total marks allocated towards coursework (combination of assignments, pop quizzes, term paper, lab reports and/ or quiz, if applicable);
- 2) obtain at least 30% of the total marks allocated towards final examination (if applicable); and
- 3) meet the criteria listed in the section on Assessment Rubrics.

### Assessment Rubrics (AR)

#### Assessment Task

1. Research seminar attendance

#### Criterion

Ability to think critically and creatively, apply and integrate knowledge acquired from other courses, deepen their understanding of energy and environmental concepts, evaluate scholarship, pose questions, and participate in scientific discourse.

#### Pass (P)

Students attend at least 5 research seminars per semester for 2 semesters (i.e. 10 in total).

#### Failure (F)

Students attend less than 5 research seminars during the semester.

## Part III Other Information

### Keyword Syllabus

Current topics in energy and/or environment; independent study

### Reading List

#### Compulsory Readings

Title	
1	Nil

#### Additional Readings

Title	
1	Nil