

SEE4000: PROFESSIONAL DEVELOPMENT II

Effective Term

Semester A 2024/25

Part I Course Overview

Course Title

Professional Development II

Subject Code

SEE - School of Energy and Environment

Course Number

4000

Academic Unit

School of Energy and Environment (E2)

College/School

School of Energy and Environment (E2)

Course Duration

Non-standard Duration

Other Course Duration

Students should obtain 160 hours of internship experience by the end of the study period

Credit Units

0

Level

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

Medium of Instruction

English

Medium of Assessment

English

Prerequisites

SEE2000 Professional Development I

Precursors

Nil

Equivalent Courses

Nil

Exclusive Courses

Nil

Part II Course Details

Abstract

This course is designed to prepare students for their co-curricular experience related to energy, environment or sustainability. Students are required to obtain 160 hours of internship experience by the end of the study period in order to pass the course. Subject to approval by the course leader, internship experience acquired prior to registration in the course may be counted. Upon successful completion of the course, students will have developed a range of technical and non-technical skills to enhance their employability.

Course Intended Learning Outcomes (CILOs)

CILOs		Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Apply scientific or engineering knowledge to the solution of problems in energy, environment or sustainability	45		x	
2	Explain the importance of non-technical, soft skills to professional practice in energy, environment or sustainability	25	x		
3	Work effectively as an energy, environment or sustainability professional	30			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.

Learning and Teaching Activities (LTAs)

LTAs	Brief Description	CILO No.	Hours/week (if applicable)
1	Work experience	Students will complete a total of 160 hours of professional internship experience (paid or volunteer).	1, 2, 3

Assessment Tasks / Activities (ATs)

ATs	CILO No.	Weighting (%)	Remarks (e.g. Parameter for GenAI use)
1	Reports	1, 2, 3	100

Continuous Assessment (%)

100

Examination (%)

0

Examination Duration (Hours)

N/A

Additional Information for ATs

Examination duration: N/A

Percentage of continuous assessment, examination, etc.: 100% by continuous assessment

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

- 1) obtain at least 30% of the total marks allocated towards continuous assessment (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. Reports

Criterion

Evidence of professional development and effective performance in a real workplace

Pass (P)

Satisfactory

Failure (F)

Unsatisfactory

Part III Other Information**Keyword Syllabus**

- Technical skills: scientific or engineering knowledge, interdisciplinarity, problem solving
- Non-technical skills: leadership, entrepreneurship, communication, self-motivation
- Professional training, career development, employability

Reading List**Compulsory Readings**

Title	
1	Nil

Additional Readings

Title	
1	Bosman, L., & Fernhaber, S. (2018). Teaching the Entrepreneurial Mindset to Engineers (1st ed. 2018. ed.). Cham: Springer International Publishing.
2	Neugebauer, J., & Evans-Brain, J. (2016). Employability: Making the Most of Your Career Development. SAGE Publications.