

SEE3206: ENVIRONMENTAL SOCIAL GOVERNANCE

Effective Term

Semester A 2022/23

Part I Course Overview

Course Title

Environmental Social Governance

Subject Code

SEE - School of Energy and Environment

Course Number

3206

Academic Unit

School of Energy and Environment (E2)

College/School

School of Energy and Environment (E2)

Course Duration

One Semester

Credit Units

3

Level

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

Medium of Instruction

English

Medium of Assessment

English

Prerequisites

Nil

Precursors

SEE2204 Principles of Sustainability;
SEE3003 Climate Change and Adaptation Strategies;
SEE3205 Urban Sustainability

Equivalent Courses

Nil

Exclusive Courses

Nil

Part II Course Details

Abstract

The world is changing and it is dominated by environmental and social risk. Faced with these challenges, Environmental Social Governance (ESG) is a response formulated by business to do the “right” thing. ESG refers to three key factors when measuring the sustainability and ethical impact of an investment in a business or company. We look at the principles of ESG, how to apply materiality and how to deal with issues of transparency and disclosure as well as the business case for ESG. Sustainable finance is part of ESG and ranges from green bonds and renewable infrastructure to thematic strategies that allow clients to align their capital with specific outcomes. Lastly we look at impact measurement and risk management from an ESG practitioner’s viewpoint.

Course Intended Learning Outcomes (CILOs)

	CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Describe the principles of ESG and the business case	20		x	
2	Analyse the policies and regulations affecting ESG and how professionals in the industry respond	20		x	
3	Apply the basics of sustainable finance to environmental and social projects	20		x	
4	Apply impact measurement tools and methods	20		x	
5	Apply how ESG risk management works	20		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	Lectures	Explain theories and concepts	1, 2, 3, 4, 5	
2	Tutorials	Apply theories and concepts on case studies and practical examples	1, 2, 3, 4, 5	
3	Site visit(s)	Learn from observation and exposure to real life cases	2, 3, 4	

Assessment Tasks / Activities (ATs)

ATs	CILO No.	Weighting (%)	Remarks (e.g. Parameter for GenAI use)
1 Assignments There will be several assignments throughout the semester. Students will complete the assignments to demonstrate their ability to apply their knowledge in ESG related to 'live' cases.	1, 2, 3, 4, 5	20	
2 Site Visit(s) and Reports Students will be expected to participate in discussions with host speakers at the site visits. Students will also write individual visit reports to analyse and present their observations.	2, 3, 4	15	
3 Quiz Students will complete a midterm test to demonstrate their ability to apply their knowledge in ESG.	1, 2, 3, 4, 5	15	

Continuous Assessment (%)

50

Examination (%)

50

Examination Duration (Hours)

2

Additional Information for ATs

Final exam will test students' ability to apply their knowledge learned throughout the course in ESG challenges.

Examination duration: 2 hrs

Percentage of coursework, examination, etc.: 50% by coursework; 50% by exam

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, visit 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. Assignments

Criterion

Ability to analyse and solve problems related to ESG challenges and applications.

Excellent (A+, A, A-)

Excellent analysis and problem-solving skills to demonstrate in-depth understanding of ESG challenges and applications.

Good (B+, B, B-)

Good analysis and problem-solving skills to demonstrate good understanding of ESG challenges and applications.

Fair (C+, C, C-)

Acceptable analysis and problem-solving skills to demonstrate adequate understanding of ESG challenges and applications.

Marginal (D)

Marginally acceptable analysis and problem-solving skills to demonstrate some understanding of ESG challenges and applications.

Failure (F)

Poor analysis and problem-solving skills and is barely able to demonstrate an understanding of ESG challenges and applications.

Assessment Task

2. Site visit(s)

Criterion

Ability to participate in discussions with host speakers at the site visits and analyse and present their observations/findings.

Excellent (A+, A, A-)

Excellent report writing and experimental skills with in-depth understanding of ESG challenges and applications.

Good (B+, B, B-)

Good report writing and experimental skills with good understanding of ESG challenges and applications.

Fair (C+, C, C-)

Acceptable report writing and experimental skills with adequate understanding of ESG challenges and applications.

Marginal (D)

Marginally acceptable report writing and experimental skills with some understanding of ESG challenges and applications.

Failure (F)

Poor report writing and experimental skills with poor understanding of ESG challenges and applications.

Assessment Task

3. Quiz

Criterion

Ability to analyse and solve problems related to ESG challenges and applications.

Excellent (A+, A, A-)

Excellent analysis and problem-solving skills to demonstrate in-depth understanding of ESG challenges and applications.

Good (B+, B, B-)

Good analysis and problem-solving skills to demonstrate good understanding of ESG challenges and applications.

Fair (C+, C, C-)

Acceptable analysis and problem-solving skills to demonstrate adequate understanding of ESG challenges and applications.

Marginal (D)

Marginally acceptable analysis and problem-solving skills to demonstrate some understanding of ESG challenges and applications.

Failure (F)

Poor analysis and problem-solving skills and is barely able to demonstrate an understanding of ESG challenges and applications.

Assessment Task

4. Examination

Criterion

Ability to analyse and solve problems related to ESG challenges and applications.

Excellent (A+, A, A-)

Excellent analysis and problem-solving skills to demonstrate in-depth understanding of ESG challenges and applications.

Good (B+, B, B-)

Good analysis and problem-solving skills to demonstrate good understanding of ESG challenges and applications.

Fair (C+, C, C-)

Acceptable analysis and problem-solving skills to demonstrate adequate understanding of ESG challenges and applications.

Marginal (D)

Marginally acceptable analysis and problem-solving skills to demonstrate some understanding of ESG challenges and applications.

Failure (F)

Poor analysis and problem-solving skills and is barely able to demonstrate an understanding of ESG challenges and applications.

Part III Other Information**Keyword Syllabus**

Environmental Social Governance; sustainability; climate change; social outcomes; impact measurement; reporting and disclosure; materiality; risk management

Reading List**Compulsory Readings**

Title	
1	Tang, TSK, Business & Sustainability, Independent Publisher (2020)
2	Moore, G, ESG Disclosure Handbook (World Bank) (April, 2019)
3	Hill, J, Environmental, Social, and Governance Investing, Elsevier Press 1st Edition (2020)

Additional Readings

	Title
1	Ramaswamy, V. Woke Inc. Hachette Book Group Inc. First Edition (2021)