

# MSE1001: PROGRAMME INDUCTION

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## Effective Term

Semester A 2025/26

## Part I Course Overview

### Course Title

Programme Induction

### Subject Code

MSE - Materials Science and Engineering

### Course Number

1001

### Academic Unit

Materials Science and Engineering (MSE)

### College/School

College of Engineering (EG)

### Course Duration

One Semester

### Credit Units

0

### 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 is a required course designed to all new students admitted to Bachelor of Engineering in Materials Engineering, including students accepted through advanced standing admission, which is expected to enhance students' community, to

build bonds, identity and understanding of the programme and co-curricular options. Students will be participating in a series of planned activities throughout the semester to learn about themselves, major program, career path and some soft skills. Their attendance to the activities/workshops are compulsory. Graded P or F.

### Course Intended Learning Outcomes (CILOs)

CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Adjust well into the university environment, including taking charge of their own studies.	x	x	
2	Understand available academic and co-curricular options and their impact and benefits to oneself e.g. exchange programmes and internship opportunities.	x	x	
3	Develop personal and academic interests and abilities.	x	x	
4	Set personal and academic goals and take responsibility to achieve them.			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	Field trip	Orientation	1	3
2	Lectures/workshops	Topics about personal academic and professional development	1, 2, 3, 4	4
3	Reports	Online educational plan	2, 3, 4	0.5

### Assessment Tasks / Activities (ATs)

ATs	CILO No.	Weighting (%)	Remarks ("- for nil entry)	Allow Use of GenAI?	
1	Attendance	1, 2, 3	90	-	No
2	Online educational plan	4	10	-	No

#### Continuous Assessment (%)

100

#### Examination (%)

0

**Assessment Rubrics (AR)**

**Assessment Task**

Attendance

**Criterion**

attend all the lectures and activities

**Pass (P)**

100%

**Failure (F)**

0%

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**Assessment Task**

Online educational plan

**Criterion**

fill in an online education plan

**Pass (P)**

100%

**Failure (F)**

0%

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## Part III Other Information

**Keyword Syllabus**

1. Participate in an Orientation Event
2. Attend 4 compulsory lectures
3. Fill in an online form “My Educational Plan” to indicate your academic and co-curricular plans and interests

**Reading List**

**Compulsory Readings**

Title	
1	Nil

**Additional Readings**

Title	
1	Nil