

# SEEM4024: PROJECT MANAGEMENT

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**Effective Term**

Summer Term 2023

## Part I Course Overview

**Course Title**

Project Management

**Subject Code**

SEEM - Systems Engineering and Engineering Management

**Course Number**

4024

**Academic Unit**

Systems Engineering (SYE)

**College/School**

College of Engineering (EG)

**Course Duration**

One Semester

**Credit Units**

3

**Level**

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

**Medium of Instruction**

English

**Medium of Assessment**

English

**Prerequisites**

Students must complete a minimum of 45 credits to be eligible

**Precursors**

Nil

**Equivalent Courses**

MEEM4024 Project Management/ADSE4024 Project Management

**Exclusive Courses**

Nil

## Part II Course Details

### Abstract

This course aims to develop the students' understanding and ability to evaluate, plan and manage engineering and manufacturing projects.

### Course Intended Learning Outcomes (CILOs)

	CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Explain the requirements and the importance of project management in an industrial organization.	30	x	x	
2	Describe the difficulties and problems faced in contemporary project environment.	25	x	x	
3	Analyze and explain the common causes and modes of handling conflicts in project management.	10	x	x	
4	Identify project opportunities, evaluate project feasibility and initiate and terminate projects.	10	x	x	
5	Use project management techniques such as Gantt Charts, WBS, CPM/PERT network planning, resource levelling and software tools to plan, schedule, monitor and control project activities.	25	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	Lecture	Large class activity.	1, 2, 3, 4, 5	26 hrs/semester
2	Tutorial	Case study, group work.	1, 2, 3, 4, 5	13 hr/semester
3	Self Work	(i) Case Study and (ii) Review Questions	1, 2, 3, 4, 5	50 hrs/semester
4	Term Paper	Term paper/mini project.	1, 2, 3, 4, 5	13 hrs/semester

5	Consultation hours	Consultation hours will be used to facilitate discussions of various issues related to the lecture materials and tutorial questions.	1, 2, 3, 4, 5	1 hour/week
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**Assessment Tasks / Activities (ATs)**

	ATs	CILO No.	Weighting (%)	Remarks (e.g. Parameter for GenAI use)
1	Case Study The case studies require the students to practise and review what is learned in the subject in a more integrative manner.	1, 2, 3, 4, 5	10	
2	Review Questions The review questions allow the students to practise what is learned from the lectures and assess the degree of their understanding of the subject in the form of short exercises.	1, 2, 3, 4, 5	10	
3	Term Paper The term paper provides the students with hand-on practice of the subject and the experience of a real and messy project management making environment. Students will work in groups, prepare and deliver presentations on selected topics	1, 2, 3, 4, 5	30	

**Continuous Assessment (%)**

50

**Examination (%)**

50

**Examination Duration (Hours)**

2

**Assessment Rubrics (AR)****Assessment Task**

Course work

**Criterion**

Case Study

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

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**Assessment Task**

Course work

**Criterion**

Review Questions

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

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**Assessment Task**

Course work

**Criterion**

Term Paper.

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

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**Assessment Task**

Examination

**Criterion**

Closed-book examination.

**Excellent (A+, A, A-)**

High

**Good (B+, B, B-)**

Significant

**Fair (C+, C, C-)**

Moderate

**Marginal (D)**

Basic

**Failure (F)**

Not even reaching marginal levels

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## Part III Other Information

**Keyword Syllabus**

Project Environment and the World of Project Management  
Project Organization, Team and Manager  
PERT/CPM Project Planning and Scheduling  
Project Monitoring and Controlling  
Project Resources and Budgeting  
Evaluating and Terminating Project  
Handling Conflicts in Project Management

**Reading List**

**Compulsory Readings**

Title	
1	Course notes and assignment handouts
2	Mantel S.J. Jr. et al, Project Management in Practice, John Wiley, Second Ed., 2005

**Additional Readings**

<b>Title</b>	
1	Meredith J.R. & Mantel S.J. Jr., Project Management:- A Managerial Approach, John Wiley, 5th Ed., 2003
2	Kerzner H., Project Management:- A Systems Approach to Planning, Scheduling, and Controlling, 6th Edition, Van Nostrand Reinhold, 1997
3	International Journal of Project Management and other online learning materials are available from CityU Library