



12194310 Project Management

Course Code	12194310	Course Name	Project Management
Course Type	Engineering	Prerequisite	N/A
Instructor	TBA	Other Teachers	TBA
Total Hours	48 Teaching Hours	+ Self Study Hours	

Learning Objectives

- Understand the importance of project management and why an integrative approach is becoming increasingly prevalent for contemporary project managers.
- Identifying the scope of a project before breaking down work structures and setting important priorities.
- Outline the parts of holistic project plan which includes a project networks, network computation processes and other practical considerations
- Discuss the benefits of resource scheduling and highlight how it can lead to maximising the efficiency and effectiveness of resource usage
- Describe the different types of project closure and the closure activities involved in each of them.
- Analyse the various environmental factors which shape the feasibility and outcome of international projects by taking a closer look at different cases studies.
- Understand the differences between traditional project management and the Agile project management approach through looking at their benefits and limitations.



Course Description

Students will be introduced to project management and why it is an important part of any project initiative. This course focuses on understanding the different elements of project management necessary to successfully manage a project from the initial stages all the way to its completion. Students will be developing a strong understanding of the processes involved in managing projects by making use of the tools, information and resources necessary to integrate all aspects. Definitions and important concepts provide students with strong foundations which are built gradually throughout the course and supported with relevant case studies. Other key functions of project managers explored include general organisation, structuring, staffing, team formation, scheduling, contracts, cost controls and risk management. The course combines lectures, group work and individual assessments to allow students to demonstrate their ability to work well in all contexts. Leadership and technical capabilities necessary for competent project management are also emphasised as part of the course.

Summary of Course delivery

This course has a total of 48 teaching hours and includes a compulsory field trip.

The table below summarises the delivery method for this course.

Lectures	Guest Speakers	Seminars	Group Activities	Field Trip(s)
√	√		√	√
Tutorials	Projects	Pitch(es)	Presentations	Others
√			√	

Course Schedule (TBC)

Topics	Activities
Introduction to the unit and key concepts	Lecture; In-class activities



What is a project? The project life cycle; The importance of project management	
Project teams and estimation	Lecture; Case Studies; In class activities
Project setup	Lecture; Case Studies; In class activities
Project planning Developing the network Activity- on- Node(AON) fundamentals Levels of details	Lecture; Case Studies; In class activities
Scheduling resources and costs Types of resource constraints; Classification of a scheduling problem; Resources allocation methods.	Lecture; Case Studies; In class activities
Project Monitoring and Control	Lecture; Case Studies; In class activities
Project procurement and project closure	Lecture; Case Studies; In class activities
Agile Project Management	Lecture; Case Studies; In class activities
International projects Environmental factors	Lecture; Case Studies; In class activities



Cross-cultural considerations	
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Assessments

Assessments in this course include:

Quiz	20%
Individual Essay	30%
Group Project and Presentation	35% (Group report) 15% (Presentation)

Reference Books

Larson E W and Gray C F, Project Management - The Managerial Process, McGraw Hill, 6th edition (2014).

Academic journal articles and handouts on specific topics will be used supplement the textbook and lecture material.