



Course Outline

GSOE9820

Engineering Project Management

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1. Staff Contact Details

Contact details and consultation times for course convenor

Mr Corey Mart n

Office: Electrical Engineering G1Y, room 1

Email: corey.martin@unsw.edu.au

Consultation concerning this course is available immediately after the classes. Face to face consultation outside of these times is available by appointment only.

Contact details and consultation times for additional demonstrators

Ms Sandra Cowan

Email: sandra.cowan@unsw.edu.au

Mr Lars Møller

Email: ars.moller@unsw.edu.au

2. Course details

Credit Points:

This is a unit of credit for the course, and involves hours per week, of face to face



Summary of the Course

This course will introduce you to the fundamental principles of project management.



3. Teaching strategies

Lectures in the course are designed to cover the terminology and core concepts and theories in Project Management to help you develop a range of skills such as managing project teams, project schedules, budgets as well as being aware of strategic topics, different environments, cultures and ethics of projects and community issues. They do not simply reiterate the texts, but build on the lecture topics using examples taken directly from industry to show how the theory is applied in practice and the details of when, where and how it should be applied.

Web based activities are designed to provide you with the opportunity to put your learning into practice and allow you to strengthen your understanding of key concepts.

4. Course schedule

TOPICS	WEEK
Introduction to modern project management	1
Organisational strategy and project selection	
Defining the project	
Organisational structure and culture	
Estimating project times and costs	
Developing a project plan	
Managing risk	Y
Calculating resources and costs	



5. Assessment

General

You will be assessed by way of short web based activities and an examination, both of which involve calculations and descriptive material.

The parts of the course contribute towards the overall grade as follows:

ASSESSMENT	WEIGHTING	LEARNING OUTCOMES ASSESSED
Web based activities		1, 2, 3
Final Examination		1, 2
TOTAL	100%	

In order to pass the course, you must achieve an **overall mark of at least 50%**.

Web-Based activities

The purpose of the web based activities is to provide students with the opportunity to consolidate and apply the material covered in the lectures, therefore you are strongly advised to cover lecture support material regularly every week of the session.

These activities will be facilitated and assessed through individual and team discussions. Web based participation will be assessed on your contributions to online discussions, exercises and other learning activities via Moodle.

Marking Criteria used for Web-based activities

- Participation
 - Discuss team members posts
 - Put your thoughts forward
 - Contribute to planning
 - Be early, rather than late
- Content of Posts
 - Quality posts
 - Correct answers
 - Outs de of Box thinking
 - Presentation
 - Proper English. E.g. no slang.
- Final Report
 - Correct answers
 - Presentation
 - Content



- . Project Management
 - a. Early start
 - b. Provide structured plan
 - c. Follow up on deadlines
 - d. Responses to posts
 - e. Leadership

- . Peer reviewer
 - a. Respond to PM's plan and requests
 - b. Provide answers and discuss on
 - c. Interaction. Give feedback on posts
 - d. Provide quality work, not quantity

There will be several web-based groups. Each of you will be randomly assigned to one of these web-based groups by the end of week 1. You will be notified of your web-based facilitator name and contact details through Moodle.

Submission of web-based activities

Web-based projects commence in week 1 and are made available on Moodle during the semester. The due date and duration of each project is specified in table 1. Each project is equally weighted.

ACTIVITIES	DURATION (Weeks)	RELEASED	DUE
Project team's Kick-off	1	Week 1	Week 1
Project 1	1	Week 1	Week 1
Project	1	Week 1	Week 1
Project		Week 1	Week 1
Project	1	Week 1	Week 1
Project		Week 1	Week 11
Project		Week 1	Week 1

Table 1: Schedule for web-based activities

Late submissions of assignments will be NO accepted.

Examination

There will be a single, two-hour examination at the end of the semester.

The final examination assesses a student's covered throughout the semester to meet the course learning outcomes.

The final examination consists of both multiple choice as well as short answer questions.







Appendix A: Engineers Australia (EA) Professional Engineer Competency Standards

	Program Intended Learning Outcomes
PE1: Knowledge and Skill Base	PE1.1 Comprehensive, theory based understanding of underpinning fundamentals
	PE1. Conceptual understanding of underpinning maths, analysis, statistics, computing
	PE1. In depth understanding of specialist bodies of knowledge
	PE1. Discernment of knowledge development and research directions
	PE1. Knowledge of engineering design practice
	PE1. Understanding of scope, principles, norms, accountabilities of sustainable engineering practice
PE2: Engineering Application Ability	PE2.1 Application of established engineering methods to complex problemsolving
	PE2. Fluent application of engineering techniques, tools and resources
	PE2. Application of systematic engineering synthesis and design processes
	PE2. Application of systematic approaches to the conduct and management of engineering projects
PE3: Professional and Personal Attributes	PE3.1 Ethical conduct and professional accountability
	PE3. Effective oral and written communication professional and lay domains
	PE3. Creative, innovative and proactive demeanour
	PE3. Professional use and management of information
	PE3. Orderly management of self, and professional conduct
	PE3. Effective team members and team leaders