



Course Outline

Semester 1 2018

GSOE9820

ENGINEERING PROJECT MANAGEMENT

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1. Staff contact d

Contact details and consultation times for course convenor

Name: Mr Corey Martin
Office: Ainsworth Building (J17), Room 507
Email: corey.martin@unsw.edu.au

Consultation concerning this course is available immediately after classes. Face-to-face consultation outside this time is available by appointment only.

Contact details and consultation times for additional lecturers/demonstrators/lab staff

Head Demonstrator - Ms Sandra Cowan - Email: sandra.cowan@unsw.edu.au

2. Important links

[Moodle](#)
[UNSW Mechanical and Manufacturing Engineering](#)
[Course Outlines](#)
[Student intranet](#)
[UNSW Mechanical and Manufacturing Engineering Facebook](#)
[UNSW Handbook](#)

3. Course details

Credit Points

This is a 6 unit-of-credit (UoC) course, and involves 2-3 hours per week (h/w) of face-to-face contact.

The UNSW webs´

Student learning outcomes

This course is designed to address the learning outcomes below and the corresponding Engineers Australia Stage 1 Competency Standards for Professional Engineers as shown. The full list of Stage 1 Competency Standards may be found in Appendix A.

After successfully completing this course, you should be able to:

Learning Outcome		EA Stage 1 Competencies
1.	Know what a project is as well as understand the role and responsibilities of a project manager	PE1.1, 1.3, 1.6 PE2.4 PE3.1
2.	Be able to create project plans, schedules and budgets	PE1.1, 1.2, 1.3, 1.5 PE2.1, 2.2, 2.3, 2.4
3.	Be able to select and use the appropriate tools to aid in managing a project	PE2.1, 2.2, 2.3, 2.4
4.	Be able to select and develop appropriate management styles to successfully complete a project.	PE3.1, 3.2, 3.3, 3.4, 3.5, 3.6

4. 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.

5. ~~Course schedule~~

Date	Topics	Suggested Readings
28-Feb-18	Introduction to modern project management	Larson, Ch 1
7-Mar-18	Organisational strategy and project selection	Larson Ch 2
14-Mar-18	Defining Projects	Larson, Ch 4
21-Mar-18	Dynamic teams, organisational structure and culture	Larson, Ch 3 & 11
28-Mar-18	Estimating project times and cost	Larson, Ch 5
4-Apr-18	MID-SEMESTER BREAK (No Class)	
11-Apr-18	Developing a project plan	Larson, Ch 6
18-Apr-18	Scheduling resources and cost	Larson, Ch 8
25-Apr-18	Public Holiday - ANZAC day (No Class)	
2-May-18	Reducing project duration, progress and performance measurement and evaluation	Larson, Ch 9 & 13
9-May-18	QUIZ	
16-May-18	Managing risk	Larson, Ch 7
23-May-18	Introduction Agile PM and Project Closure	Larson, Ch 14, 17
28-Feb-18	No class scheduled	

Assignments

Presentation

All submissions are expected to be neat and clearly set out. Your results are the pinnacle of all your hard work and should be treated with due respect. Presenting results clearly gives the marker the best chance of understanding your method; even if the numerical results are incorrect.

- c. Work to plan
 - d. Be early, rather than late
2. Content of Posts
 - a. Quality posts
 - b. Correct answers
 - c. 'Outside of Box' thinking
 - d. Presentation
 - e. Proper English. E.g. no slang.
 3. Final Report
 - a. Correct answers
 - b. Presentation
 - c. On time
 4. Project Management Skills
 - a. Early start
 - b. Provide structured plan
 - c. Follow up on deadlines
 - d. Responses to posts
 - e. Leadership
 5. Team member skills
 - a. Respond to PM's plan and requests
 - b. Provide answers and discussion
 - 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 2. You will be notified of your web-based facilitator name and contact details through UNSW Moodle.

Submission of web-based activities

Web-based projects commence in week 2 and are made available on Moodle during the semester. Each project is due 1 hour before class (i.e. 5pm) on the date specified in Table 1.

ACTIVITIES	Release Date (@ 9pm)	Due Date (@ 5pm)	Deadline for absolute fail (@5pm)
Project 1	14-Mar	28-Mar	30-Mar
Project 2	11-Apr	25-Apr	27-Apr
Project 3*	9-May	30-May	01-Jun

Table 1 - Schedule for web-based activities

* It will be a requirement for students to purchase individually (estimated at USD \$5) a copy of a Harvard Business Review case study for Project 3. Details of the actual case study will be provided on Moodle before the project is released.

Quiz

The quiz will be held in class on week 10. Students are required to bring their own devices as the quiz is online.

The quiz will be 1 hour in duration and run in two(2) sessions. Groups 1-25 are to attend Session 1 (6:15pm-7:15pm), Groups 26-50 Session 2 (7:30pm-8:30pm).

Examinations

There will be a single,

8. ~~Course content for students~~

Textbook (Required)

Gray C.F. and Larson E.W. Project Management, 7th edition, McGraw Hill International edition, 2017. ISBN: 9781259666094

Case Study (Required)

Students are required to purchase individually (estimated at USD \$5) a copy of a Harvard Business Review case study for Project 3. Details of the actual case study will be provided on Moodle.

Additional materials provided in UNSW Moodle

This course uses UNSW Moodle (<http://moodle.telt.unsw.edu.au>).

Items found on UNSW Moodle include:

- Web-based activities;
- Copies of weekly lectures;
- Class announcements.

Recommended Internet sites

There are many websites giving lectures, papers and data on project management in general. A useful reference site is <http://www.pmi.org>

Other Resources

10. Academic honesty and plagiarism

II. ~~Administrative~~ matters

All students are expected to read and be familiar with School guidelines and policies, available on the intranet. In particular, students should be familiar with the following:

