Mechanical and Manufacturing Engineering

Course Outline

Term 1 2019

GSOE9820
PROJECT MANAGEMENT

Contents

1. Staff contact

Contact details and consultation times for course convenor

Name: Mr Corey Martin
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Moodle: https://moodle.telt.unsw.edu.au/login/index.php

Consultation concerning this course is available by appointment only.

Contact details and consultation times for additional lec-(sng 1ureres)12/ de-(or)11(ns)4ng 1ra(t)-(o)1

Summary and Aims of the course

This course will introduce to you the fundamental principles of project management in an engineering context, enabling you to become a successful project manager.

Aims of the course

This course takes an integrated approach to managing projects, exploring both technical and managerial challenges. It emphasises not only individual project implementation, but also provides a strategic perspective of how to manage projects at the program and portfolio levels.

The course will provide you with a powerful set of tools to improve your ability to plan, implement and manage activities to accomplish specific organisational objectives in often complex and challenging work environments.

The Project Management Standards (e.g. PMBOK) are also included in the course in order to comprehensively identify the critical knowledge areas that project managers must understand if they are to become successful managers. The course is also a pathway for Project Management Institute (PMI) certification since the contents of the course, terminologies used and exposure to several real-world cases will support your preparations.

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 c

The online lectures are designed to give students maximum flexibility in when and how they undertake their learning in the course. The course will 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. The lectures and assessment tasks have been developed to 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

Week	Date	Topics	Demonstration	Suggested Readings
1	18-Feb-19	Introduction to Project Management	Ainsworth G03 (K-J17-G03)	Larson, Ch 1, 10 & 11
2	25-Feb-19	Projects in Organisations	Moodle	Larson, Ch 2, 3 & 16
3	4-Mar-19	Project Selection	Moodle	Larson, Ch 2
4	11-Mar-19	Defining the scope of works	Moodle	Larson, Ch 4
5	18-Mar-19	Activity planning and budgets	Moodle	Larson, Ch 5
6	25-Mar-19	Defining the schedule	Mid-trimester quiz	Larson, Ch 6
7	1-Apr-19	Risk Management	Moodle	Larson, Ch 7
8	8-Apr-19	Resource Planning	Moodle	Larson, Ch 8 & 9
9	15-Apr-19	Project monitoring and control	Moodle	Larson, Ch 13
10	22-Apr-19	Easter Monday		
11	29-Apr-19	Project closure		Larson, Ch 14
12	6-May-19	Exams	Final quiz	
13	13-May-19	Exams		

Notes

Students should note that face-to-face attendance is required in W

6. Assessment

Assessment overview

Assessment	Group Project?	If Group, # Students per group	Length	Weight	Learning outcomes assessed	Assessment criteria	Due date and submission requirements

Assignments

Marking

Marking guidelines for assignment submissions will be provided at the same time as assignment details to assist with meeting assessable requirements. Submissions will be marked according to the marking guidelines provided.

Examinations and Quizzes

You must be available for all tests, quizzes and examinations. Final examinations for each course are held during the University examination periods: February for Summer Term, May for T1, August for T2, and November/December for T3.

Please visit myUNSW for Provisional Examination timetable publish dates.

For further information on exams, please see the Exams webpage.

Calculators

You will need to provide your own calculator of a make and model approved by UNSW for the examinations. The list of approved calculators is available at student.unsw.edu.au/exam-approved-calculators-and-computers

It is your responsibility to ensure that your calculator is of an approved make and model, and to obtain an ñApprovedò sticker for it from the Engineering Student Supper Services Centre prior to the examination. Calculators not bearing an ñApprovedò sticker will not be allowed into the examination room.

Special consideration and supplementary assessment

If you have

(like plagiarism in an honours thesis) even suspension from the university. The Student Misconduct Procedures are available here:
www.gs.unsw.edu.au/policy/documents/studentmisconductprocedures.pdf

10. Administrative matters

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

Attendance
UNSW Email Address
Computing Facilities
Special Consideration

Appendix A: Engineers Australia (EA) Competencies