Course Outline

Semester 1 2018

MMAN9001

MASTER OF ENGINEERING SCIENCE PROJECT A

Contents

1. Staff contact details 2
Contact details and consultation times for course convenor 2
2. Important links 2
3. Course details 2

to work on their chosen projects from the initiation to the end – the project should contain a good amount of original research and/or novel design work or analysis. It is not the responsibility of the supervisor and course coordinator to tell the student what to do, nor should it be assumed that the supervisor is an expert in all areas of engineering. They are there to offer guidance and advice, as are laboratory staff, workshop staff, and others in the school that may have expertise in the area of your project. The successful execution of the project is solely the responsibility of the student.

Project A is to be taken in the second last semester required for the completion of all requirements for the award of the degree. This course – together with MMAN9002 Master of Engineering Project B, which is to be taken in the following semester – requires each student to demonstrate managerial, technical and professional skills in planning and executing an approved engineering project within a stipulated time limit. Each student is guided by a supervisor, but successfully planning, executing and reporting on the project are the sole responsibility of each student.

Laboratory Staff

The laboratories are the responsibility of the staff-in-charge and you must operate within the accepted practices of the laboratory concerned. You should not expect laboratory staff to take responsibility for your thesis or carry out work for you. The laboratory staffs are highly skilled and helpful; take full advantage of their experience.

If your project involves laboratory work, contact the officer-in-charge (OIC) of the laboratory in which you will be working as soon as possible to discuss your requirements. They will issue you with a Laboratory Access Approval (LAA) form which you must complete and return to the OIC.

Before you start work in a laboratory or undertake any activity which might be considered hazardous in any way, you must read and understand the practices and procedures described in the OHS section of the School's intranet.

Machine Workshop

All student activities requiring manufacture in the Machine Workshop should be discussed with the Workshop personnel at the inception of the work. The Workshop personnel must have the opportunity to advise and influence the design to help minimise assembly, manufacture or functional problems.

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.

[redacted]completing this course, you should be able to:

	[redacted]e	EA Stage 1 Competencies
1.	Conduct independent research and apply established theories to address an engineering problem that does not have a well-defined solution	PE2.1, 2.3, 2.4, 3.3
2.	Analyse critically, reflect on and synthesise complex information, problems, concepts and theories.	PE2.1, 2.3, 2.4
3.	Interpret and transmit knowledge, skills and ideas to specialist and non-specialist audiences.	PE2.4, 3.2, 3.4
4.	Demonstrate managerial skills to complete a project within limited time and resources.	PE3.4, 3.5, 3.6

4.

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.

Submission

Late submissions will be penalised 5 marks per calendar day (including weekends). An extension may only be granted in exceptional circumstances. Special consideration for assessment tasks must be processed through student.unsw.edu.au/special-consideration.

It is always worth submitting late assessment tasks when possible. Completion of the work,

Grade	Rating

Aspect 4: Overall impression (/20)

Criteria	Grade

In this course, recent improvements resulting from student feedback include more

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, Participation and Class Etiquette
UNSW Email Address
Computing Facilities
Assessment Matters (including guidelines for assignments, exams and special consideration)
Academic Honesty and Plagiarism
Student Equity and Disabilities Unit
Health and Safety
Student Support Services