



UNSW  
AUSTRALIA

# Course Outline

Semester 1 2017

Never Stand Still

Engineering

Mechanical and Manufacturing Engineering

MMAN4010

THESIS A

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Some students spend much more than 40 h/w, but you should aim for not less than 40

## Workshop

All student activities requiring manufacture in the 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.

The Workshop is usually in high demand. If you require the Workshop to manufacture equipment essential to your thesis, then make sure that you discuss your requirements as early as possible with the Workshop/Laboratory Manager. You should provide engineering drawings which are first approved by the laboratory officer-in-charge. You should make every effort to minimise the Workshop load by modifying existing equipment rather than building from new, and by keeping your designs simple.

## Safety Training

A full list of safety training requirements for BE Thesis students is available on the School's intranet. Safety in any project is paramount and it is mandatory to complete risk paperwork for all activities. Always discuss with your supervisor what your plans are and what risk assessments will be required.

## Student Learning Outcomes

This course is designed to address the below learning outcomes and the co.6(r)-Q00rst work

## **4. Course schedule**

There are no set lectures for this course, but a number of workshops will be provided to assist students to complete their thesis to a high standard. The date and time of the workshops will be announced on Moodle and by email. All workshops will be recorded and made available to students on Moodle.

## **5. Assessment**







Criteria 4: Thesis progress (40%)

Grade	Mark	Brief description	Explanation/Examples
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7.

## 9. 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:

- [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](#)

*Tracie and Kane  
February 2017*

## AppendixA: Engineers Australia (EA) Professional Engineer Competency Standard

	Program Intended Learning Outcomes
PE1: Knowledge and Skill Base	PE1.1 Comprehensive, theory-based understanding of underpinning fundamentals
	PE1.2 Conceptual understanding of underpinning maths, analysis, statistics, computing
	PE1.3 In-depth understanding of specialist bodies of knowledge
	PE1.4 Discernment of knowledge development and research directions
	PE1.5 Knowledge of engineering design practice
	PE1.6 Understanding of scope, principles, norms, accountabilities of sustainable engineering practice