



UNSW
AUSTRALIA

Course outline

Semester 2 2016

Never Stand Still

Engineering

Mechanical and Manufacturing Engineering

MECH9012

ME Project B

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1. Staff contact details

Contact details and consultation times for course convenor

Name: Dr Ron Chan
Office location: Ainsworth (J17) 507
Tel: (02) 9385 1535
Email: r.chan@unsw.edu.au

It is recommended you email to make a specific appointment if you need to discuss any important issues, particularly if you want to discuss extensions, supervisor issues, etc. Always consult the course Moodle first in case your questions have already been answered, or in the event that others may benefit from reading what you are asking and the response.

Contact details of the Thesis Administrator

Name: Mr Kane Murdoch
Office location: Ainsworth (J17) Level 1, Student Services Office
Tel: (02) 9385 4154
Email: kane.murdoch@unsw.edu.au

Contact Kane directly, cc'ing Ron, if you have issues relating to your enrolment, progress, or other administrative queries of a technical nature.

2. Course details

Credit Points

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

It is essential that you consult the Moodle site for the most up-to-date and detailed information relating to the thesis. All announcements regarding the course will be made through Moodle.

The UNSW website states "The normal workload expectations of a student are approximately 25 hours per semester for each UoC, including class contact hours, other learning activities, preparation and time spent on all assessable work. Thus, for a full-time enrolled student, the normal workload, averaged across the 16 weeks of teaching, study and examination periods, is about 37.5 hours per week."

This means that you should aim to spend about 9 h/w on this course. The additional time should be spent in making sure that you understand the lecture material, completing the set assignments, further reading, and revising for any

There is no parallel teaching for this course.

Contact hours

There are no set contact hours for this course.

Summary of the course

UG Thesis is usually completed in two consecutive semesters during the last academic year.

This is the only course where the students have complete freedom to

Thesis Submission

Thesis hard copies and electronic copies due Monday week 13, 5pm.

C. Data

Your thesis mark will not be released until you have organised to pass on your thesis data to your supervisor. This can be dropbox, USB stick, hard drive – discuss with your supervisor. However it is now a legal requirement of research conducted at UNSW that the original data be archived, and so you must collate all the work that went into your thesis (drawings, excel files, CAD files, CFD/FEA result files, etc. – everything that went into creating your thesis, but not early work or dead-ends that did not make the cut). Your supervisor will mark this task complete on Moodle.

Specifications for Thesis

Paper must be ISO size A4 (210 x 297mm).

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		the research work, not coherently linked.	etc. They have interpreted meaning from the results but have overall not succeeded in linking the components of their research together as a coherent scientific story. There's no clear "big picture".
Distinction	38 – 44	Solid, coherent work, linking all the research components together into a consistent story.	At this level the student has assembled the pieces of their research project (which could include literature, different sets of experiments or measurements, simulations or analyses) into a coherent scientific story. Overall, you are left with a clear and convincing picture of what the research question was and what the answer is (along with its caveats). A student is generally not going to be able to achieve this if there are conceptual or methodological problems with their work, or if their review of literature is inadequate.
High Distinction	45 – 50	Solid, coherent and consistent story PLUS something unexpected.	Student would have to have achieved as at the previous level but additionally has achieved something unexpected, thoughtful and original, such as a

Did the presenter engage the audience (eye contact, body language)?	/5
Did the presenter deliver in a relaxed, confident manner?	/5

- x re-enrol for Thesis B again with the same project (needs consent of an appropriate supervisor & student)

Assignments

Presentation

All submissions should have a standard School cover sheet which is available from this course's Moodle page.

All submissions are expected to be neat and clearly set out. Your results are the pinnacle of all your hard work. Presenting them 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. Where an assessment task is worth less than 20% of the total course mark and you have a compelling reason for being unable to submit your work on time, you must seek approval for an extension from the course convenor before the due date . Special consideration for assessment tasks of 20% or greater must be processed through student.unsw.edu.au/special-consideration.

It is always

Further information on School policy and procedures in the event of plagiarism is available on the [intranet](#).

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:

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

Ron Chan and Kane Murdoch
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Appendix A: Engineers Australia (EA) Stage 1 Competencies for Professional Engineers

	Program Intended Learning Outcomes
	PE1.1 Comprehensive, theory-based understanding of underpinning fundamentals

PE1: Knowledge
and Skill Base