

Contents

| | |
|--|----|
| 1. Staff contact details..... | 1 |
| Contact details and consultation times for course convenor | 1 |
| Contact details and consultation times for additional lecturers/demonstrators/lab staff..... | 1 |
| 2. Course details | 1 |
| Credit points:..... | 1 |
| Contact hours..... | 2 |
| Summary of the course | 2 |
| Aims of the course | 2 |
| Student learning outcomes..... | 2 |
| 3. Teaching strategies..... | 3 |
| 4. Course schedule | 4 |
| 5. Assessment | 5 |
| Assessment overview..... | 5 |
| Assignment – Book report | 6 |
| Presentation | 7 |
| Submission..... | 7 |
| Examinations | 7 |
| Calculators | 8 |
| Special consideration and supplementary assessment | 8 |
| 6. Expected resources for students | 8 |
| 7. Course evaluation and development | 9 |
| 8. Academic honesty and plagiarism..... | 9 |
| 9. Administrative Matters..... | 10 |
| Appendix A: Engineers Australia (EA) Professional Engineer Competency Standards..... | 11 |



enrolled student, the normal workload, averaged across the 16 weeks of teaching, study and examination periods, is about 37.5 hours per week.”

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| 3. | Demonstrate an understanding of the historical processes that led to the current state of aircraft engineering and technology | 1.4, 1.5 |
| 4. | Apply basic engineering concepts to the analysis of aircraft systems: structures, powerplants, stability and control, avionics and materials | 1.1, 1.2, 3.2 |

3. Teaching strategies

Lectures in the course are designed to cover the terminology and core concepts and theories. Example problems will be worked out in class and provided on Moodle for you to practice at home. Lecture notes will be provided on Moodle, along with recommended reading.

The Aerodynamic Design component will consist of weekly workshops where students will explore how and why aircraft are designed as they are, and work through their own conceptual designs for four separate aircraft specifications.

4. Course schedule

All lectures are in the Ainsworth building, room 102.

| <u>Week</u> | Date | Topic | Lecture Content |
|-------------|------|-------|-----------------|
|-------------|------|-------|-----------------|

5. Assessment

Assessment overview

| Assessment | Length | Weight | Learning outcomes assessed | Assessment criteria |
|------------|--------|--------|----------------------------|---------------------|
|------------|--------|--------|----------------------------|---------------------|

The final exam will be held during the university exam period, and will cover all the material **in the aeronautical engineering stream only**. This will be a multiple-choice exam. You are allowed to bring an approved calculator, pencils and erasers only.

You must be available for all tests and examinations. Final examinations for each course are held during the University examination periods, which are June for Semester 1 and November for Semester 2.

Provisional Examination timetables are generally published on myUNSw [https://www.unsw.edu.au/examinations](#)

7. Course evaluation and development

Feedback on the course is gathered periodically using various means, including the Course and Teaching Evaluation and Improvement (CATEI) process, informal discussion in the final class for the course, and the School's Student/Staff meetings. Your feedback is taken seriously, and continual improvements are made to the course based, in part, on such feedback.

In this course, recent improvements resulting from student feedback include changes to the material taught in the streams, and changes to assessment to provide better feedback to students throughout the semester.

8. Academic honesty and plagiarism

UNSW has an ongoing commitment to fostering a culture of learning informed by academic integrity. All UNSW students have a responsibility to adhere to this principle of academic integrity. Plagiarism undermines academic integrity and is not tolerated at UNSW. Plagiarism at UNSW is defined as using the words or ideas of others and passing them off as your own.

Plagiarism is a type of intellectual theft. It can take many forms, from deliberate cheating to accidentally copying from a source without acknowledgement. UNSW has produced a website with a wealth of resources to support students to understand and avoid plagiarism: student.unsw.edu.au/plagiarism The Learning Centre assists students with understanding academic integrity and how not to plagiarise. They also hold workshops and can help students one-on-one.

You are also reminded that careful time management is an important part of study and one of the identified causes of plagiarism is poor time management. Students should allow sufficient time for research, drafting and the proper referencing of sources in preparing all assessment tasks.

If plagiarism is found in your work when you are in first year, your lecturer will offer you assistance to improve your academic skills. They may ask you to look at some online resources, attend the Learning Centre, or sometimes resubmit your work with the problem fixed. However more serious instances in first year, such as stealing another student's work or paying someone to do your work, may be investigated under the Student Misconduct Procedures.

Repeated plagiarism (even in first year), plagiarism after first year, or serious instances, may also be investigated under the Student Misconduct Procedures. The penalties under the procedures can include a reduction in marks, failing a course or for the most serious matters (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

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](#)

Naomi Tsafnat
5 February, 2016

Appendix A: Engineers Australia (EA) Professional Engineer Competency Standards

| | Program Intended Learning Outcomes |
|--|------------------------------------|
|--|------------------------------------|

**PE1: Knowledge
and Skill Base**