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# 1. Staff contact details

## Contact details and consultation times for course convenor

Name: Professor Con Doolan  
Office location: Ainsworth 408  
Tel: (02) 9385 5696  
Email: [c.doolan@unsw.edu.au](mailto:c.doolan@unsw.edu.au)

Name: Dr Danielle Moreau  
Office location: Ainsworth 408  
Tel: (02) 9385 5428  
Email: [d.moreau@unsw.edu.au](mailto:d.moreau@unsw.edu.au)

For any course administrative matters or to arrange an appointment outside of scheduled teaching and consultation times, please contact Dr Moreau via email.

## Contact details and consultation times for additional lecturers/demonstrators/lab staff

Additional lecturers:

Name: Dr Yendrew Yauwenas  
Email: [yendrew@unsw.edu.au](mailto:yendrew@unsw.edu.au)

Name: Dr Manuj Awasthi  
Email: [m.awasthi@unsw.edu.au](mailto:m.awasthi@unsw.edu.au)

Name: Dr Jeffrey Fischer  
Email: [jeffrey.fischer@unsw.edu.au](mailto:jeffrey.fischer@unsw.edu.au)

Please see the course [Moodle](#) for demonstrator and lab staff information.

## 2. Important links

[Moodle](#)

[Lab Access](#)

[Health and Safety](#)

[Computing Facilities](#)

[Student Resources](#)

[Course Outlines](#)

[Engineering Student Support Services Centre](#)



## Credit points

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

The normal workload expectations of a student are approximately 25 hours per term for each UOC, including class contact hours, other learning activities, preparation and time spent on all assessable work.

You should aim to spend about 15 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 examinations.

## Contact hours

	Day	Time	Location
<b>Lectures</b>	Tuesday	2pm – 4pm	Ainsworth G02
	Wednesday	9am – 10am	Ainsworth 202
<b>Demonstrations</b>	Wednesday	10am – 12pm	Ainsworth 202
	Wednesday	10am – 12pm	Ainsworth G02
<b>Lab</b>	Tuesday	4pm – 6pm	UTL (weeks 2, 5, 8, 9 only)

Please refer to your class timetable for the learning activities you are enrolled in and attend only those classes.

## Summary and Aims of the course

This course will focus on the fundamental principles and application of aerodynamics – the science and engineering of flight. The course aims to (1) provide the understanding you need to communicate with other aerospace engineers regarding aerodynamic matters, (2) analyse the aerodynamic performance of aerospace vehicles and (3) provide the basis for further advanced study of aerodynamics in your career. If I can give you an appreciation of the excitement and beauty of aerodynamics, then I will regard this course as a success.

## 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:

<b>Learning Outcome</b>	<b>EA Stage 1 Competencies</b>
1. Use the basic principles of fluid motion to describe aerodynamic phenomenon 2. Analyse and predict the low speed aerodynamic	PE 1.1, 1.2, 3.4

**WK**

**Topic**

**L**











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](http://www.gs.unsw.edu.au/policy/documents/studentmisconductprocedures.pdf)

## 10. Administrative matters and links

All students are expected to read and be familiar with UNSW guidelines and policies. In particular, students should be familiar with the following:

[Attendance](#)

[UNSW Email Address](#)

[Special Consideration](#)

[Exams](#)

[Approved Calculators](#)

[Academic Honesty and Plagiarism](#)

[Equitable Learning Services](#)

# Competencies

## *Stage 1 Competencies for Professional Engineers*

	<b>Program Intended Learning Outcomes</b>
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