



UNIVERSITY OF LINCOLN

Course Outline

Semester 1 2015



**AERO4110/4120  
AEROSPACE DESIGN  
PROJECT A & B**

## Contents

1. STAFF CONTACT DETAILS .....	3
2. COURSE DETAILS .....	3
3. RATIONALE FOR THE INCLUSION OF CONTENT AND TEACHING APPROACH .....	6
4. TEACHING STRATEGIES .....	7
5. ASSESSMENT .....	7
6. ACADEMIC HONESTY AND PLAGIARISM .....	8
7. COURSE SCHEDULE .....	9
8. EXPECTED RESOURCES FOR STUDENTS .....	10
9. COURSE EVALUATION AND DEVELOPMENT .....	10
10. ADMINISTRATIVE MATTERS.....	11

## 1. STAFF CONTACT DETAILS

<b>Position</b>	<b>Name</b>	<b>Email</b>	<b>Availability and location</b>	<b>Phone ext.</b>
Course Convener	John Page	<a href="mailto:j.page@unsw.edu.au">j.page@unsw.edu.au</a>	As requested, F21 Rm 107H	54090



will be incurred if it appears to be compiled as a pseudo-report. Neatness, grammar and spelling are unimportant in this book as normally it would be for personal use only though for this exercise you will be expected to produce it on request to the tutors and submit it for final appraisal. Your logbook must be available at each meeting of your design group.

Each student must produce an individual portfolio at the conclusion of the project. This should contain a bill of claim for the particular work carried out including any special contribution, an appraisal of the final design, reference in the team report to work individually done, an appraisal of the team as a whole and an appraisal of the individual members of the team. Students are also encouraged to appraise the subject and the staff involved with the course so as to generate improvements but this is kept separate from the portfolio to eliminate any perception of grade contamination. This portfolio must be submitted by the last teaching week of the year.

### **Aims of the Course**

- e) ethical practitioners (\*)
- f) capable of effective communication
- g) information literate
- h) digitally literate (\*)

2. Leaders who are:

- a) enterprising, innovative and creative (\*)
- b) capable of initiating as well as embracing change
- c) collaborative team workers (\*)

3. Professionals who are:

- a) capable of independent, self-directed practice
- b) capable of lifelong learning
- c) capable of operating within an agreed Code of Practice (\*)

4. Global Citizens who are:

- a) capable of applying their discipline in local, national and international contexts (\*)
- b) culturally aware and capable of respecting diversity and acting in socially just/responsible ways
- c) capable of environmental responsibility

Graduate attributes targeted and developed in this

#### 4. TEACHING STRATEGIES

This is a project based program with the students largely self-learning in a team with seven of their colleagues. A weekly meeting is held to provide guidance to each team. Experts from within the school also provide a lecture program directed towards the technical problems experienced by the individual groups.

#### 5. ASSESSMENT

7KH D V V H V V P H Q W L V L Q W Z R S D U W V R Q H E d u c e s EDVHG R  
D Q G W K H R W K H U R Q W K H L Q G L Y L G X D O ¶ V Z R U N : K L O H P R  
the full team mark, any that are deemed not to have contributed sufficiently will get a  
U H G X F H G P D U N , W L V W K H Z K R O H W H D P ¶ V r e s H V S R Q V L E L C  
available to the project are fully utilized and this is particularly true in terms of  
P H P E H U ¶ V W L P H D Q G V N L O O V 7 K L V Z L O O E H U H I O H F W H G

At the end of the first session a satisfactory mark has to be recorded for AERO4110 for the student to progress to AERO4120. If the tutors believe that a student has not contributed sufficiently to the team then an unsatisfactory mark is recorded. Members of a team are encouraged to bring to the attention of the tutors any underperforming student but at the same time they must indicate what actions they have taken to remedy the situation. Individual members of a team that have requested the successful removal of a member are expected to compete with the other, now larger, teams so they have to decide whether it is worth retaining the member with the chance of obtaining some useful work or whether the management effort will exceed any potential advantage.

There are a number of contributions to the mark obtained at the end of the program for AERO4120. Failure to pass AERO4120 results in the satisfactory mark in AERO4110 being downgraded to a fail as to pass this course one has to take the two courses the same year.

In order to pass the course, you must achieve an overall mark of at least 50%.

##### **Group Mark 40%**

This mark is based on how well the team has carried out its task. The group report which is produced by week nine Second Session forms the main basis for this mark  
D O R Q J Z L W K W K H W X W R U ¶ V Q R W H V R Q K R Z W K H W H D P S H

##### **Individual Portfolio 40%**

At the end of session two each student provides an individual portfolio containing:

- A bill of claim ±Outlining the work they have done
- A critique of the design
- A critique of their team
- An appraisal of the individual members of their team





If plagiarism is found in your work when you are in first year, your lecturer will offer you assistance to improve your academic skills. Ty

1 - 9	Applicable Material JP	Specific Aerostructures GP
-------	---------------------------	-------------------------------

The particular material provided in the general and specialized lectures will be dependent on the specific aircraft being designed, the directions the teams choose to take the project and the progress made.

## 8. EXPECTED RESOURCES FOR STUDENTS

There are a large number of resources available to the students. In terms of texts the students have to determine the reliability of material between sources. These include hard and electronic sources. They have to find a variety of sources to give some basis for confidence. They also have access to regulated texts that provide a high

## **10. ADMINISTRATIVE MATTERS**

You are expected to have read and be familiar with [Administrative Matters](#), available on the School website. This document contains important information on student responsibilities and support, including special consideration, assessment, health and safety, and student equity and diversity.

The Student Equity and Disabilities Unit is located on the Ground Floor of the Goodsell building (F20). Issues to be discussed may include access to materials, signers or note-takers, the provision of services and additional exam and assessment arrangements. Early notification is essential to enable any necessary adjustments to be made.

*John Page*  
*15/01/2015*