



project reaches a satisfactory conclusion. In order to ensure that the success of the project can be gauged by the tutors, some management requirements are laid down.

Design group meetings

Each team will meet once a week in the presence of the tutors. All students in the team must attend every meeting of their team or provide written apologies to the chairperson. The roles of chairperson and secretary for the meetings will rotate round the team at its discretion but so as to ensure all contribute.

Chairperson: The chairperson will be responsible for the conduct of the meeting and should sign two copies of the previous meeting's minutes as a true record on behalf of the meeting.

information. It must be bound (not loose leafed) and penalties 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 course 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

To allow students to delve deeply into critical areas of the design.

Develop skills in working in a goal oriented group.

Experience some of the challenges of managing and co-operating in the design of high-tech products.

Allow student to present their work to industrial based champions

Student learning outcomes

This course is designed to address the below learning outcomes 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 successful conclusion of this course the student will be able:

Learning Outcome		EA Stage 1 Competencies
1.	Work cross discipline boundaries to define project	PE 1.1, PE 1.2, PE 1.4, PE 1.5 PE1.6
2.	Carry out a simple aerospace project design	PE 1.1, PE 1.2, PE1.3, PE2.1,PE2.2, PE.2.3
3.	Discriminate between reliable and unreliable information	PE1.4, PE2.1, PE3.1
4.	Produce a report of individual work to other team members	PE1.3, PE1.6, PE2.1, PE2.3. PE3.1, PE3.2, PE3.3
5.	Develop skills in using modern engineering tools	PE1.2,PE2.2, PE3.2,PE3.4

6.	Cooperatively manage and contribute to the team	PE2.1, PE2.3, PE2.4, PE3.3, PE3.4, PE3.5, PE3.6
7.	Have confidence and ability to present the team's work to industrial practitioners	PE1.5, PE1.6, PE3.1,

5 Assessment

Assessment overview

The assessment is in two parts one being based on the team's effort and success and the other on the individual's work. While most members of a group will achieve the full team mark, any that are deemed not to have contributed sufficiently will get a reduced mark. It is the whole team's responsibility to ensure that all resources available to the project are fully

Assessment	Weight	Learning outcomes assessed	Due date and
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There are a large number of computer simulation computer programs available to the students and these are expected to be used in the project. CAD, FE, CFD and Flight simulation are expected to feature strongly in the design.

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.

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

	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 r957hndeardirs