



Unit Outline (Higher Education)

Institute / School: Institute of Innovation, Science & Sustainability

Unit Title: Advanced Engineering Project 1

Unit ID: ENGIN5002

Credit Points: 30.00

Prerequisite(s): (ENGIN3001 or ENGIN5001)

Co-requisite(s): Nil

Exclusion(s): (ENCOR7020)

ASCED: 039999

Description of the Unit:

This unit is intended to be taken in sequence with ENGIN5003 and will equip students with knowledge and skills to undertake an engineering research project. In the process, students will employ a combination of hands-on, analytical and computing skills relevant to their field of advanced study. Students will also critically review relevant literature and present findings in front of a peer based audience.

Grade Scheme: Graded (HD, D, C, P, MF, F, XF)

Work Experience:

No work experience: Student is not undertaking work experience in industry.

Placement Component: No

Supplementary Assessment: Yes

Where supplementary assessment is available a student must have failed overall in the Unit but gained a final mark of 45 per cent or above, has completed all major assessment tasks (including all sub-components where a task has multiple parts) as specified in the Unit Description and is not eligible for any other form of supplementary assessment

Course Level:

Level of Unit in Course	AQF Level of Course					
	5	6	7	8	9	10
Introductory						

Level of Unit in Course	AQF Level of Course					
	5	6	7	8	9	10
Intermediate	■	■	■	■	■	■
Advanced	■	■	■	■	✓	■

Learning Outcomes:

On successful completion of the unit the students are expected to be able to:

Knowledge:

- K1.** Identify and select the appropriate approach to undertake an engineering research project at an advanced level.

Skills:

- S1.** Demonstrate an ability to effectively manage time and research resources (independently and/or as a member of a team).

Application of knowledge and skills:

- A1.** Analyze and evaluate engineering research data at an advanced level (appropriate to the discipline or advanced field of research).

Unit Content:

Topics may include:

- Structuring and drafting of a research thesis.
- Producing a research paper out of the thesis work.

Learning Task and Assessment:

- Structuring and drafting of a research thesis.
- Producing a research paper out of the thesis work.

Adopted Reference Style:

Refer to the [library website](#) for more information

Fed Cite - [referencing tool](#)