



Unit Outline (Higher Education)

Institute / School: Institute of Innovation, Science & Sustainability

Unit Title: Engineering Project 2

Unit ID: ENGIN4002

Credit Points: 30.00

Prerequisite(s): (ENCOR4100 or ENGIN4001)

Co-requisite(s): Nil

Exclusion(s): (ENCOR4200)

ASCED: 030101

Description of the Unit:

This unit enables students to use knowledge acquired during their studies to undertake the second part of their chosen engineering research project. In the process, students will employ hands-on, analytical and computing skills relevant to their fields of studies. Students will finalise their survey of relevant literature and present their findings in a dissertation.

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Advanced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Learning Outcomes:

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

Knowledge:

- K1.** Plan and lead an engineering research project.
- K2.** Demonstrate an ability to apply critical and independent thinking.

Skills:

- S1.** Demonstrate proficiency in project management tools and concepts.
- S2.** Critically analyse scientific material to effectively synthesize information and/or ideas.
- S3.** Demonstrate an ability to effectively manage time and resources (independently and/or as a member of a team).

Application of knowledge and skills:

- A1.** Demonstrate the knowledge and skills needed to solve contemporary and emerging engineering challenges.

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](#)

