



Unit Outline (Higher Education)

Institute / School:	Institute of Innovation, Science & Sustainability
Unit Title:	ENGINEERING PROJECT RESOURCE PLANNING
Unit ID:	ENGIN5209
Credit Points:	15.00
Prerequisite(s):	Nil
Co-requisite(s):	Nil
Exclusion(s):	Nil
ASCED:	039999

Description of the Unit:

This unit provides students with the insights, knowledge and skills necessary for providing professional engineering input into resource and quality management programs in an business environment. It covers project governance, quality control and quality assurance and organisational planning. The best practices for resource management and staff acquisition will be explored.

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

Learning Outcomes:
Knowledge:

- K1.** Undertake project definition, project planning and project implementation using key tools and techniques for effective project management.
- K2.** Appraise and infer the effective and efficient practices for process monitoring, quality control and assurance.

Skills:

- S1.** Critically analyse strategic quality control practices and their application to organisational realities.
- S2.** Critique the terminology, tools, techniques, and processes in project management.

Application of knowledge and skills:

- A1.** Utilise and engage with the fundamental tools in strategic human resource management including the planning, development, implementation and evaluation of HR activities.
- A2.** Assess team dynamics and reflect on team performance improvement techniques.

Unit Content:

Topics will include:

- Project governance
- Financial management
- Time management
- Monitoring the change control process
- Quality assurance
- Quality control
- Resource management
- Organisational planning
- Staff acquisition and team development

Learning Task and Assessment:

Learning Outcomes Assessed	Assessment Tasks	Assessment Type	Weighting
K1-2, S1-2, A1-2	Problem based task on project governance and control processes.	Assignment	20 - 40%
K1-2, S1-2, A1-2	Group based research activity into current practices in quality control and assurance.	Report	30 - 50%
K1-2, S1-2, A1-2	Problem based questions and oral presentation on organisational planning and/or strategic human resources techniques and activities.	Report and oral presentation	20 - 40%

Adopted Reference Style:

Other (IEEE)

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

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