



# Unit Outline (Higher Education)

**Institute / School:** Institute of Innovation, Science & Sustainability

**Unit Title:** ENGINEERING PROJECT EXECUTION

**Unit ID:** ENGIN5210

**Credit Points:** 15.00

**Prerequisite(s):** Nil

**Co-requisite(s):** Nil

**Exclusion(s):** Nil

**ASCED:** 039999

**Description of the Unit:**

In this unit, students will explore the principles and develop the distinct technical skills of engineering project management that are needed to implement a project. Students who are wishing to establish a career in project management will receive particular benefits from this unit.

**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.** Interpret and manage the impact of human resources, professional relationships, organisational culture and ethics on projects.
- K2.** Reflect on and analyse the need for competency and ethical standards that are required for the profession of project management practice

**Skills:**

- S1.** Critique project procurement management and project risk management.
- S2.** Evaluate and manage the relationship between risk, ethics, and enterprise and their impact on project execution and completion.

**Application of knowledge and skills:**

- A1.** Utilise, analyse and contrast the various project management techniques to enable execution in a timely and financially prudent manner
- A2.** Evaluate issues in project management practices with regard to execution strategies, risk management, relationships and leadership.

**Unit Content:**

Topics will include:

- Project execution strategies
- Risk management
- Engineering ethics
- Engineering and enterprise
- Positive relationships
- Project leadership
- Monitoring and evaluation of project

**Learning Task and Assessment:**

Learning Outcomes Assessed	Assessment Tasks	Assessment Type	Weighting
K1-2, S1-2, A1-2	Problem based task on project execution strategies, risk management and ethics.	Assignment	20 - 40%
K1-2, S1-2, A1-2	Group based research activity into positive relationship building and visionary leadership.	Report	30 - 50%
K1-2, S1-2, A1-2	Problem based questions and oral presentations.	Report and oral presentation	20 - 40%

**Adopted Reference Style:**

Other (IEEE)

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

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