

Title:	ENGINEERING PROJECT 2
Code:	ENCOR4021
Faculty / Portfolio:	Faculty of Science and Technology
Level:	Advanced
Pre-requisites:	(ENCOR4011)
Co-requisites:	Nil
Exclusions:	Nil
Credit Points:	15
ASCED Code:	030999

Objectives:

The course is a continuation of Engineering Project 1. They are based on the same objectives. After successfully completing this course, students should be able to:

Knowledge:

- K1.** Understand the concepts underlining engineering projects
- K2.** Develop an understanding for systematic problem solving approaches
- K3.** Develop a professional work ethic
- K4.** Present the results of their work in a logical and clear manner to others
- K5.** Understand project management concepts

Skills:

- S1.** Research, collect and critically review scientific materials
- S2.** Develop a background in the project area
- S3.** Analyse and apply design principles to the implementation of a project
- S4.** Engage users and producers in the design process
- S5.** Develop time management skills.
- S6.** Learn to include sustainability as a major element of engineering projects

Values:

- V1.** Enhancement of lifelong learning skills by the application of existing knowledge to the solution of new problems
- V2.** Form an independent intellectual demeanour befitting an engineering graduate
- V3.** Appreciate the importance of communication and a broader approach to engineering
- V4.** Appreciate the need for adherence to deadlines for completion of work.
- V5.** Highlight sustainability as future must for engineering developments

Content:

At this stage, students have been already introduced to the main aspects of engineering

Course Outline

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projects and working on the projects they designed in ENCOR 4011 in the first semester. This course is therefore intended to monitor students' progress in the second semester and guide them through the process of writing up and submitting a thesis. The highly individual nature of this stage means that each student will be given advice by the course coordinators and supervisors to suite their need. However, the class time will be dedicated to give directions on issues relevant to the cohort and invite guest speakers to address the group.

Assessment:

Assessment Task	Assessment Type	Weighting
Lectures	UPDATE TALK	5 - 15%
Lectures	SUBMISSION OF DRAFT	10 - 20%
Lectures	SUBMISSION OF THESIS	60 - 70%
Lectures	PRESENTATION OF FINDINGS	10 - 20%

Adopted Reference Style:

APA

Presentation of Academic Work: