Course: ENGG3803  Course ID: 011995  Eff Date: 2022-07-01  Crse Status: Active  Apprv. Status: Approved

The 2-unit course is project based. Students will be provided with individual or small group project supervision to help them implement their project proposal from ENGG3802. The objective of the course is to provide an initial technical implementation showing the technical feasibility of the proposal. The focus is carry out practical prototyping, simulations and/or computer coding and build a pre-alpha proof of concept demonstration via initial computer software or design/building of the critical hardware subsystems. At the end of the course, students will present their work to a panel of assessors in a project competition, and those shortlisted will be assessed by a panel including external entrepreneurs who may consider the successful projects for possible continuation (eg as the final year project or capstone project of their major programme).

Grade Descriptor:

A
EXCELLENT – exceptionally good performance far exceeding expectation in all or most of the course learning outcomes. Demonstration of superior understanding of the subject matters, ability to analyze problems and apply extensive skillful use of concepts and materials to derive proper solutions.

B
GOOD – good performance in all course learning outcomes and exceeding expectation in some of them. Demonstration of good understanding of the subject matters, ability to use proper concepts and materials to solve most of the problems encountered.

C
FAIR – adequate performance in all course learning outcomes. Demonstration of adequate understanding of the subject matters and ability to solve simple problems.
MARGINAL – performance barely meets the expectation in all or at least the essential course learning outcomes. Demonstration of partial understanding of the subject matters and ability to solve simple problems.

有关等級說明的資料，請參閱英文版本。

F

FAILURE – performance does not meet expectation in most of the course learning outcomes. Demonstration of serious deficiencies and retaking the course is necessary.

有關等級說明的資料，請參閱英文版本。

Equivalent Offering:
Units: 2 (Min) / 2 (Max) / 2 (Acad Progress)
Grading Basis: Graded
Repeat for Credit: N
Multiple Enroll: N
Course Attributes:

Topics:

COURSE OUTCOMES

Learning Outcomes:
By the end of the course, students should be able to
- implement a technical proposal
- demonstrate a software or hardware based prototype product
- deliver a technical presentation

Course Syllabus:
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Assessment Type:

Essays : 70%
Presentation : 30%

Feedback for Evaluation:

Students are welcome to exchange ideas and provide feedback to the course instructor during their scheduled meetings. Course evaluation will also be carried out at the end of the course.

Required Readings:

NA

Recommended Readings:

NA

OFFERINGS
1. ENGG3803  
   Acad Organization=ENO; Acad Career=UG

COMPONENTS
   PRJ : Size=30; Final Exam=N; Contact=2

ENROLMENT REQUIREMENTS
1. ENGG3803  
   Enrollment Requirement Group:  
   Pre-requisite: ENGG3802 with Grade B+ or above or with consent of instructor.

CAF
   eLearning hrs for blended cls  0
   No. of micro-modules  0
   Research components (UG)  0%
   University theme/ priority  Innovation and Design

<END OF REPORT>