

Academic Org: Fac Office of Engineering – Subject: Courses offered by Fac of Erg

**Course:** ENGG3803      **Course ID:** 011995      **Eff Date:** 2022-07-01      **Crse Status:** Active      **Apprv. Status:** Approved      **【Course Rev】**  
Engineering Entrepreneurship Development Project 工程創業發展項目

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).

本雙學分科目是以項目為本。進行個人或小團體的指導，幫助學生實現ENGG3802中建議書的項目。本科旨在提供初步的技術實現，以顯示技術上的可行性。重點是開展實用原型，模擬和/或電腦編碼，通過電腦軟件或子系統上關鍵硬件的設計和製造，初步證明概念的正確。在本科完結前，學生需要在一項目比賽中向評審小組展示他們的作品，入圍者將由一個包括校外企業家的評審小組考慮可行的延續方案（例如作為主修課程的畢業論文或頂峰項目）。

**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.

有關等級說明的資料，請參閱英文版本。

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.

有關等級說明的資料，請參閱英文版本。

C

FAIR – adequate performance in all course learning outcomes. Demonstration of adequate understanding of the subject matters and ability to solve simple problems.

有關等級說明的資料，請參閱英文版本。

D

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.

有關等級說明的資料，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:**

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).

**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

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