

# GENERAL ENGINEERING (EG-UY)

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## **EG-UY 1001 Engineering and Technology Forum (1 Credit)**

*Typically offered Fall and Spring*

In this course the notion of invention, innovation and entrepreneurship (i2e) is introduced to the students' educational experience. Students will be exposed to elements of a research-intensive institution and diverse research performed by leading engineers, scientists, inventors and entrepreneurs.

**Grading:** Ugrd Tandon Graded

**Repeatable for additional credit:** No

## **EG-UY 1004 Introduction to Engineering and Design (4 Credits)**

*Typically offered occasionally*

This course introduces selected aspects of the history, philosophy, methodology, tools, and contemporary topics in engineering. Also included are basic engineering experimentation, data analysis, and a team-design project. This course will provide an understanding of what professional engineers do. In this context, an emphasis will be placed on developing oral and written communication skills. EG1004 is a survey course that introduces students to NYU Tandon academic opportunities, professional and career development, and teamwork skills. Design and project management skills are developed throughout a semester-long design project. Disciplines within engineering will be introduced during lecture, and explored through practice in laboratory assignments.

**Grading:** Ugrd Tandon Graded

**Repeatable for additional credit:** No

## **EG-UY 1094 Innovation, Technology, and Entrepreneurship (4 Credits)**

*Typically offered occasionally*

Expanded version of the course EG-UY 1001: Engineering and Technology Forum. Restricted to students in the NUS program and not available to all students. Course will not appear in semester-by-semester printed schedule.

**Grading:** Ugrd Tandon Graded

**Repeatable for additional credit:** No

## **EG-UY 3003 PRECAPSTONE INNOVATION (3 Credits)**

*Typically offered Fall and January term*

Pre-Capstone Innovation Experience course is designed for our undergraduate engineering students is aimed at preparing them for capstone/senior design projects with the following goals: 1) to provide students with multidisciplinary engineering prototyping tools spanning biological engineering to circuit design; 2) to expose student to customer discovery process and Lean Launchpad methods; 3) to facilitate E-team formation around multidisciplinary groups; and 4) to prepare students for innovative capstone prototypes and understand the process to transform ideas into commercial ventures. | Prerequisite: EG-UY 1001, Junior or higher standing and permission from adviser.

**Grading:** Ugrd Tandon Graded

**Repeatable for additional credit:** No

**Prerequisites:** EG-UY 1001, Junior Standing and permission from adviser.