

GENERAL ENGINEERING (EG-UY)

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.