Inter Capstone Design

Last Updated: Tue, 03/17/2026

Course prefix: ME

Course number: 4723

Section: B01

CRN
89104

Instructor first name: Amit

Instructor last name: Jariwala

Semester: Fall

Academic year: 2026

Course description: Seniors will work in teams to apply a systematic design process to real multi-disciplinary problems. Problems selected from a broad spectrum of interest areas, including biomedical, environmental, mechanical, industrial design, electrical and thermal/fluids. Projects must be based on the knowledge and skills acquired in earlier course work, and incorporate appropriate engineering standards and multiple realistic constraints. Emphasis is placed on the design process, the technical aspects of the design, and on reducing the proposed design to practice. The course consists of faculty and guest lectures, prototyping in design studios, and a multi-disciplinary design project.

Academic honesty/integrity statement:

Students are expected to maintain the highest standards of academic integrity. All work submitted must be original and properly cited. Plagiarism, cheating, or any form of academic dishonesty will result in immediate consequences as outlined in the university's academic integrity policy.

Core IMPACTS statement(s) (if applicable):

CORE Impacts

Completion of this course should enable students to meet the following **Learning Outcomes:**

- Students will communicate effectively in writing, demonstrating clear organization and structure, using appropriate grammar and writing conventions.
- Students will appropriately acknowledge the use of materials from original sources.
- Students will adapt their written communications to purpose and audience.
- Students will analyze and draw informed inferences from written texts.

Course content, activities and exercises in this course should help students develop the following **Career-Ready Competencies:**

- Critical Thinking
- Information Literacy
- Persuasion