Strength of Materials

Last Updated: Tue, 03/17/2026

Course prefix: CEE

Course number: 6551

Section: A

CRN
90772

Instructor first name: Aditya

Instructor last name: Kumar

Semester: Fall

Academic year: 2026

Course description: Study of advanced topics from mechanics of materials with application to structures. Typical topics: energy methods, failure theories, post-yield behavior, generalized bending and torsion.

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):

ENGL 1102 ENGL COMPOSITION II

This is a Core IMPACTS course that is part of the Writing area.

Core IMPACTS refers to the core curriculum, which provides students with essential knowledge in foundational academic areas. This course will help master course content, and support students’ broad academic and career goals.

This course should direct students toward a broad Orienting Question:

- How do I write effectively in different contexts?

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