Engineering Psychology

Course prefix: PSYC

Course number: 2270

Section: B

CRN
31035

Instructor first name: Zachary

Instructor last name: Tidler

Semester: Spring

Academic year: 2026

Course description:

Engineering psychology uses scientific knowledge about the perceptual, cognitive, and behavioral capabilities of humans to specify the design and use of human-machine systems (such as equipment, environments, tasks, jobs, and systems) for productive, safe, comfortable, and effective human use. In this course, you'll learn about the capabilities and limitations of humans and how this knowledge informs engineering design principles of displays, controls, physical environments, human error, and automation. You'll also get the opportunity to use what you're learning through an applied 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 Statement
This is a Core IMPACTS course that is part of the Social Sciences 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 understand human experiences and connections?
  Completion of this course should enable students to meet the following Learning Outcome:
- Students will effectively analyze the complexity of human behavior, and how historical, economic, political, social or geographic relationships develop, persist or change.

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

- Intercultural Competence
- Perspective-Taking
- Persuasion