

EGN 4411C Engineering Design II

Credits: 3

Text book, title, author, and year: N/A

Reference materials: handouts and journal articles

Specific course information

- a. **Catalog description:** Students will develop and implement Capstone design projects. Work in interdisciplinary teams is required.
- b. **Prerequisites:** EGN 4410C Engineering Design I.
- c. **Required, elective, or selected elective:** required

Specific goals for the course

- a. **Specific outcomes of instruction:** The students will work together in the team environment to bring the project to completion. This will involve the use of engineering analysis and design methodologies. The course will improve their team participation and management skills, along with their written and oral communication skills. It will make the students aware of both safety and environmental issues.

Brief list of topics to be covered:

- Overview of course objectives
- Weekly design reviews
- Monthly status presentation and written report writing
- Proto-type project demonstration
- Final project presentation
- Final project demonstration
- Final project report writing