

1. *Course number and name*
ENGR 697: Engineering Design Project II
2. *Credits and contact hours*
2 Credit Hours, One 2-hour-45-minute lab session/week
3. *Instructor's or course coordinator's name*
Instructor: Dr. Timothy D'Orazio and Dr. Cheng Chen
Course coordinator: Timothy D'Orazio, Professor of Civil Engineering
4. *Text book, title, author, and year*
None
a. other supplemental materials
None.
5. *Specific course information*
 - a. brief description of the content of the course (catalog description)
Continue work on design project with maximum independence under supervision of a faculty adviser. Oral and written project reports required.
 - b. prerequisites or co-requisites
ENGR 696
 - c. indicate whether a required, elective, or selected elective course in the program
Required for Civil Engineering.
6. *Specific goals for the course.*
 - Each student, in cooperation with his/her project team, organizes the project into tasks and assumes individual responsibility for various tasks.
 - Each student is responsible for pursuing his/her assigned activities in depth, utilizing knowledge obtained from prior courses.
 - In concert with team members, each student must contribute a significant body of work to the overall project
 - Students will listen to each others opinions and support each others activities. Each student coordinates his/her tasks with fellow team members
 - When problems arise on technical or managerial aspects of the project, students discuss the problems with fellow team members and seek guidance from the faculty advisor(s).
 - Students identify and provide appropriate discussion of constraints in oral presentations and written final report.
 - Each student prepares and clearly presents a portion of the final oral report.
 - Individual student oral presentations are effectively coordinated with the entire team so that the team presentation is clear and unified.
 - Each student prepares and clearly presents a portion of the final written report.
 - Individual contributions to the final report are effectively coordinated with other contributions and the final written report is clear and unified.
 - Each student assumes responsibility for his/her individual tasks.
 - Each student maintains a cordial working relation with fellow teammates.
 - Each student successfully completes assignments in a punctual manner.

b. explicitly indicate which of the student outcomes listed in Criterion 3 or any other outcomes are addressed by the course.

Course addresses ABET Student Outcome(s): b, c, d, e, f, g, i, k

7. *Brief list of topics to be covered*

- Organization and management of project tasks.
- Satisfying the clients (faculty advisor and instructor).
- Bringing a project to successful conclusion.
- Effective communication of project results in oral and written forms.