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.