Course: CE 48800 – Civil Engineering Design II

Type of Course: Elective for Civil Engineering Program

Catalog Description: Continuation of CE 48700

Credits: 3

Prerequisite Courses: CE 48700

Corequisite Courses: None

Prerequisites by Topics: Civil Engineering Design I

Textbook: None

Course Objectives: To develop capabilities of students to design real-life civil engineering project. Students have to apply integrated knowledge from their previous course work to accomplish projects formulation to prototype evaluation.

Course Outcomes: Students who successfully complete this course will be able to:
1. The ability to build, test and evaluate the basic design completed in the Civil Engineering Design Project course. [c]
2. The ability to function within a team. [d]
3. The ability to present preliminary work both written and orally. [g]
4. Understanding of the ethical issues that are associated with the engineering profession. [f]
5. Present final design to technical and non-technical professionals. [g]
6. Understanding of the impact of civil engineering on society. [h]

Lecture Topics: None

Computer Usage: High
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<thead>
<tr>
<th><strong>Laboratory Experience</strong></th>
<th>High</th>
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<tbody>
<tr>
<td><strong>Design Experience</strong></td>
<td>High</td>
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<tr>
<td><strong>Coordinator</strong></td>
<td>Mohammad Alhassan, Ph.D.</td>
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<td><strong>Date</strong></td>
<td>April 1, 2011</td>
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