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
<p>| Computer Usage | High |</p>
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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>1 October 2015</td>
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