BOĞAZİÇİ UNIVERSITY
Department of Civil Engineering

Syllabus of CE492

1. CE492: Project

2. COURSE INFORMATION
Credits: (0+0+8) 4
Lecture Hours: Friday 14:00-17:00
Lecture Hall: M3120
Office Hours: Friday 13:00-14:00

3. COURSE INSTRUCTOR
Asst. Prof. Semra Çomu Yapıcı
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Teaching Assistant
Işık Ateş Kıral
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4. COURSE TEXTBOOK
There are no assigned books; only class notes and discussions will suffice.

Other Supplemental Materials
N/A

5. COURSE DESCRIPTION (Catalog)
Inter-disciplinary project undertaken by a student, either together with a small team of other students or individually, under the supervision of a faculty member. The object is to enable the student to apply as much of his/her education as possible to the solution of a specific realistic problem. Students are required to meet on a regular basis for consultation with, and report orally to their project supervisor. A written midterm progress report and a final report are required of each student together with at least one oral report to his/her classmates.

Course Type
Required

Prerequisite
Senior year level

Laboratory and Computer Usage
Computer usage is limited to analyzing systems or components of a structure or an infrastructure.

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Grading Policies

Final Report: 50%
Presentation: 10%
Proposal and Interim Report: 20%
Overall Evaluation: 10%
Environmental and Social, Ethics Assignment: 10%

6. SPECIFIC GOALS FOR THE COURSE

COURSE LEARNING OUTCOMES

(1) Complete a design project in one of the relevant civil engineering fields and also utilize other fields to constitute a multidisciplinary study; apply engineering concepts and analysis methods learned throughout the undergraduate program.

(2) Prepare progress reports and the final report appropriately for the design and present final the results with proper presentations.

(3) Implement team work throughout the study. Discuss socio-environmental issues and ethical conduct.

STUDENT OUTCOMES

(a) An ability to apply knowledge of mathematics, science, and engineering.
(c) An ability to design a system, component, or process to meet desired needs such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
(d) An effective participation in the management of a project.
(e) An ability to identify, formulate and solve engineering problems.
(f) An understanding of professional and ethical responsibility.
(g) An ability to communicate effectively.
(h) An ability to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
(j) A knowledge of contemporary issues.
(k) An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

7. TOPICS COVERED

Introduction and presenting project topics from various fields of Civil Engineering, forming project teams, Introduction to proposal writing; letter of intent; request for proposal, Step-by-step proposal writing including methodology, organization chart, project schedule, project cost, and resumes, Project implementation: how to start and organize a project from A to Z. Design brief and its table of contents, Design Criteria, Write a formal design criteria about your Project.