**CENG 388 - Web Programming**

**Syllabus**

**Course Description**

Since its first introduction as a system of hyperlinked documents in 1989, The World Wide Web (shortly Web) has grown and transformed to become a platform for more complex and interactive applications. This course provides an elementary introduction to Web technologies and a hands-on experience in creating Web applications. Topics include markup languages, scripting languages, network protocols, event-driven programming, databases and many other things in between that enable all these to come together.

**Course Objective**

The objective of the course is to teach basic concepts in web programming and introduce modern tools for creating interactive web applications.

**People**

Lecturer: Asst. Prof. Nesli Erdoğmuş

(Rm. 125, Office hours: Mon, Tue, Wed, 16:15 - 17:00)

Assistants: Res. Asst. Ege Yiğit Çelik

(Rm. 142, Office hours: TBA)

**Textbooks**

There is no appointed textbook for this class. The scope of the course is determined by the lectures and other distributed materials.

**Course Details**

* All correspondence will be made through Teams.
* Until the next decision in April, the lectures will be held online, between **13:30-16:15** on **Mondays**.
* Lecture slides will be shared.
* The course project will include setting up the development environment, programming the back-end and the front-end with **JavaScript** and handling data organization using **MySQL**.

**Grading**

* Midterm- 35%
* Final- 40%
* Project - 25%

**Calendar (TENTATIVE)**

| **Dates** | **Topics** |
| --- | --- |
| 06.03.2023 | Introduction to Web Programming |
| 13.03.2023 | HTML |
| 20.03.2023 | CSS |
| 27.03.2023 | CSS |
| 03.04.2023 | JS |
| 10.04.2023 | JS |
| 17.04.2023 | React |
| 24.04.2023 | React |
| 01.05.2023 | HOLIDAY |
| **08.05.2023** | **MIDTERM** |
| 15.05.2023 | React |
| 22.05.2023 | Next.js |
| 29.05.2023 | Next.js |
| 05.06.2023 | RESTful APIs |
| 12.06.2023 | CRUD with Next.js |
| **03.07.2023** | **FINAL** |