



COURSE OUTLINE

Course Information	Code: CMSE 514 Type: Required Name: Web Technologies and Services Credits: 3 Year/Semester: 2025-26 Fall
Instructor Information	Full name: Dr. Saeid AsgharzadehBonab E-mail: saeid.asgharzadeh@emu.edu.tr Office: Computer Technology Directorate (AA202) Office Tel.: 0392 630 2539
Lecture Times/Places	Monday: 12:30-14:20 – CMPE129 Tuesday: 12:30-13:20 – CMPE129
Textbooks	Fundamentals of Web Development, By: Randy Connolly; Ricardo Hoar, Publisher: Pearson, Edition: 3rd, Copyright year: 2022.
	Basics of Web Design: HTML5 & CSS, 6th edition Published by Pearson, By Terry Ann Felke-Morris
Course Description	Discover the fundamentals of web development, including HTML, CSS, JavaScript, databases, server-side programming, and emerging trends like Web 3.0 and web applications across various fields.
Course Web Page	https://staff.emu.edu.tr/saeidasgharzadeh/en/teaching/cmse514-web-technologies-and-services
Attendance Policy	If you attend less than 50% of classes, you will be given the NG grade.

Topics Covered	
Topic 1	The Internet And World Wide Web
Topic 2	Html Overview
Topic 3	Cascading Style Sheets (CSS)
Topic 4	Web Design Concepts
Topic 5	JavaScript 1
Topic 6	JavaScript 2
Topic 7	Working With Databases
Topic 8	Server-Side Programming (Servlets)
Topic 9	Web Services Overview
Topic 10	Web 3.0
Topic 11	Web Applications in Other Fields

Assessment	
A. Midterm	40%
B. Quiz (Bonus)	5%
C. Research Assignment (Option 1)	60%
C. Practical Project (Option 2)	60%

Other References
https://www.geeksforgeeks.org/web-development/
https://www.w3schools.com/tutorials/
https://www.tutorialspoint.com/website_development/
https://www.w3.org/standards/