

CSIS 1570 - Web Systems and Technologies

Fall 2026 Syllabus, Section 02, CRN 41487,

Credit hours: 3

Instructor

Dil Rawat

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Public Instructor Information

Title: Web Developer

Professional Qualifications:

- M.S, Computing and Information Systems, Youngstown State University, 2026
- B.S, Computer Information Systems, Youngstown State University, 2021

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Course Description

1570. Web Systems and Technologies. This course will cover the basics of web-based applications including related software, interfaces and digital media. Foundations of web-site development including design, implementation, and integration of web-site, multimedia integration, and security and accessibility issues. Prereq.: CSIS 1590. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Optional	Fundamentals of Web Development	Randy Connolly; Ricardo Hoar	0-13-586333-3

Fundamentals of Web Development (Pearson+)

by Randy Connolly;Ricardo Hoar - 3RD 22

MBS 11215065

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	HTML	Intro + How the Web Works + First HTML Page	
8/31	HTML	HTML Structure & Semantic Tags	Assignment 1
9/7	HTML	HTML Forms	
9/14	HTML	Multimedia & Accessible Images/Video/Audio	Assignment 2 Quiz 1 - HTML
9/21	CSS	Intro to CSS (syntax, selectors)	
9/28	CSS	Box Model, Typography, Color	Assignment 3
10/5	CSS	Layout & Flexbox	
10/12	CSS	Responsive Design (mobile-first, media queries)	Assignment 4 Quiz 2 - CSS
10/19	Web Accessibility	Accessibility Deep Dive (POUR)	

10/26	Web Security	Web Security Basics	Assignment 5
11/2	JavaScript	Intro to JavaScript (variables, logic, conditionals)	
11/9	JavaScript	JavaScript & the DOM (selecting, events)	Assignment 6
11/16	JavaScript	Functions, Loops, Arrays; Small Interactivity	Assignment 7 Quiz 3 - JavaScript
11/23	Software Development Workflow	DevTools, Debugging, Publishing (GitHub Pages)	
11/30	Project Review	Final Project Work Session + Peer Review	Final Project
12/7	Finals	Finals Week	

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.