CPT 330 Course Syllabus – Spring 2023
Ersal Aslam

Course Description	
Course Title:	CPT 330 – Software Web Applications I
Course Description:	This course will focus on online collaboration strategies. The course will cover the design and creation of websites with the intent to deliver and receive information in an efficient manner. Students will be required to create online projects that encourage and facilitate interaction and team-building in the online environment.
Course Date:	January 17 – May 13, 2023

Instructor Information	
Name:	Ersal Aslam
Office location:	443 Fenster Hall
Phone:	973-596-5303
E-mail:	aslam@njit.edu
Office Hours:	via Google Meet or WebEx

Prerequisites	
Requirements:	Students must have a basic understanding of Internet-based computer skills.

Podcast Lectures	
Required listening:	Site: http://canvas.njit.edu

Topics Covered	
Lectures:	1. Getting Started with HTML5 2. Getting Started with CSS 3. Designing a Page Layout 4. Graphic Design with CSS 5. Designing for the Mobile Web 6. Working with Tables and Columns 7. Designing a Web Form 8. Enhancing a Website with Multimedia 9. Working with XHTML 10. Getting Started with JavaScript

Outcomes	
Course Outcomes:	By the end of the course, students should be able to: • Create websites from scratch, hand-coded with the latest HTML5 standards. • Style and design websites using the latest CSS3 standards. • Understand responsive web design and demonstrate mobile-compatible projects. • Build mechanisms for collaboration and feedback using forms. • Produce multimedia elements to enhance/supplement website content. • Demonstrate knowledge of web compliance and accessibility. • Upload files to a web server.

Assignment Postings

Requirements: Assignment postings are required of all students. Actively participating in class discussion is one of the best ways to help build a sense of community.

You are expected to not only to post your assignments, but also provide feedback and assistance on your peer's postings and work. Consequently, **60%** of your final grade depends on your ability to complete assignments by their due date.

Textbooks

Required reading: *New Perspectives HTML5 and CSS3: Comprehensive 7th Edition*, Carey, Patrick, 2017. ISBN-10: 1305503937

Hardware and Software

Required Software: Students are required to download and install a number of programs for this course. I have tried to identify shareware/open source applications so that you don't have the burden of purchasing expensive software.

If you already have a program that you are familiar with that is similar to one of the items listed below then you should feel free to use the item you already have.

- **HTML5 Browser –** Firefox, Safari, Chrome (Internet Explorer not acceptable)
- **Basic Text Editor –** Notepad, EditPad, TextEdit, etc
- **SSH Client** – FileZilla, SSH Secure Shell or similar SFTP capable client

Required Hardware: **Computer** – You will need to have a computer with access to the Internet. PC or Mac. Other platforms may be used, but without support. NJIT provides access to computers with all the required software and hardware needed for this course in all of the public computing labs.

Late Assignments

Requirements: Late assignments are not accepted and will receive a failing grade unless prior arrangements are made. If there is an emergency, I may be reached at either my office or by e-mail.

Grading System

Assignment 1 – (6 points)
Assignment 2 – (6 points)
Assignment 3 – (6 points)
Assignment 4 – (6 points)
Assignment 5 – (6 points)
Assignment 6 – (6 points)
Assignment 7 – (6 points)
Assignment 8 – (6 points)
Assignment 9 – (6 points)
Assignment 10 – (6 points)
Exam 1 – (20 points)
Exam 2 – (20 points)

Due dates TBD as each topic is started. Typically before the start of next class unless topic spans multiple weeks. Exam 1 tentatively scheduled for 3/10/2023. Exam 2 will be scheduled by the Registrar's office during the final exam period.

Total Possible Points: 100

A   90% or above
B+ 86% - 89%
B   80% - 85%
C+ 76% - 79%
C   70% - 75%
D   60% - 69%

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Please note that it is my professional obligation and responsibility to report any academic misconduct to the Dean of Students Office. ***Any student found in violation of the code by cheating, plagiarizing or using any online software inappropriately will result in disciplinary action. This may include a failing grade of F, and/or suspension or dismissal from the university.*** *If you have any questions about the code of Academic Integrity, please contact the Dean of Students Office at* *dos@njit.edu*"