

Course Abstract

If you need accommodations due to a disability, contact Disability Services in Edison Hall Room 100, 732.906.2546.

To foster a productive learning environment, the College requires that all students adhere to the Code of Student Conduct which is published in the college catalog and website.

Course ID and Name: CSC125 – Web Markup Languages

Department: Business and Computer Science

Chairperson or Course Coordinator: Dr. Aslihan Cakmak

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Prerequisites: CSC161

Co-requisites: None

Course Description:

This course focuses on using the markup languages HTML, CSS and scripting languages to create Web documents. This course will produce web pages using HTML, CSS and JavaScript. The student will produce fully interactive client side web pages. Focus will be on creating the Web Page using the latest versions of HTML and CSS and will concentrate on providing a working in depth knowledge of the programming language JavaScript and its usage in user interactivity.

General Education Status: N/A

Credits: 3

Lecture Hours: 2

Lab Hours: 2

Learning Outcomes:

Upon successful completion of this course, a student will be able to:

1. Demonstrate the knowledge of the purpose of Internet protocols such as TCP/IP, HTTP, FTP, and telnet.
2. Demonstrate the ability to create Web Pages and insure their connection to the World Wide Web.
3. Build Webpages and Websites using HTML and XHTML utilizing functional and appealing a Web Pages.
4. Create webpages and websites that illustrate the use of proper Human Computer Interaction (HCI) factors relevant to the design of a Web page.

5. Demonstrate the design of a Web page.
6. Create Cascading Style Sheets to customize Web page formatting tags.
7. Create web pages that contain links, images, tables, and forms.
8. Build tables to control web page layout and form layout.
9. Implement JavaScript to create dynamic web pages and to implement client side form processing.

Course Content Areas:

- Introduction to HTML
- Web page design and human factors
- HTML formatting tags
- Links and Images
- Tables and Lists
- Forms and Frames
- Cascading Style Sheets
- Intro to JavaScript
- Placing JavaScript in HTML
- JavaScript Variables, Functions and Operators
- JavaScript Conditional Statement and Loops
- JavaScript Objects
- The Document Object
- The Windows Object
- Event handling