CSC 162 - Web Site Development for New Media

General Information

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Author Paul Engin
Department Computing Sciences
Course Prefix CSC
Course Number 162
Course Title Web Site Development for New Media

Course Information

Catalog Description This course is an introduction to Web site development. Students will learn how to design and develop Web pages using current technologies and tools. Topics covered will include the World Wide Web, HTML, Cascading Style Sheets (CSS), current browsers, and Web site creation and management applications. Other topics include Web publishing, Web standards, and intellectual property law.

Credit Hours 3
Lecture Contact Hours 3
Lab Contact Hours 0
Other Contact Hours 0
Grading Scheme Letter

Prerequisites

None

Co-requisites

None
First Year Experience/Capstone Designation

This course DOES NOT satisfy the outcomes applicable for status as a FYE or Capstone.

SUNY General Education

This course is designated as satisfying a requirement in the following SUNY Gen Ed category
None

FLCC Values

Institutional Learning Outcomes Addressed by the Course
Vitality, Inquiry, Perseverance, and Interconnectedness

Course Learning Outcomes

Course Learning Outcomes

1. Identify obstacles created by the lack of standardization across available browsers and markup language versions in a global environment

2. Create a product demonstrating content knowledge in web technologies including HTML, CSS, Web browsers and Web editing software, and current standards and practices.

3. Present created product to a group of peers for review.

Outline of Topics Covered

HTML/ XHTML

I. Develop a Web page
   a. Web and HTML History
   b. HTML History
   c. Elements and Tags

II. Develop a Web site
   a. Structure and Relationships
   b. Links

III. Work with Cascading Style Sheets
   a. History and Concepts
b. Inline, Embedded and External Style Sheets
c. Styles
d. Selector Patterns

IV. Create Page Layouts with Cascading Style Sheets
   a. Page Layout
   b. Display Style
   c. Positioning

V. Web Tables
   a. Structure
   b. Spanning Cells
   c. Columns and Row Groups
   d. Formatting and Layout

VI. Web Forms
   a. Form Elements
   b. Form Action and Methods
   c. Web Forms and Web Servers

VII. Work with Multimedia
   a. Media Applications on the Web
   b. Digital Audio
   c. Digital Video
   d. Object Embedding

VIII. Advanced CSS
   a. Special Effects
   b. Print Media
   c. Mobile Web

Web Page Editor

IX. Explore the current application workspace
X. Develop a Web Page
   a. Create, Import and Format content

XI. Work with text and Cascading Style Sheets (CSS)
a. Add and Edit Rules

XII. Add images and graphic enhancements

XIII. Work with Links and Navigation

a. External and Internal Links

b. Image maps

XIV. Object Positioning

a. CSS

b. Tables

XV. Manage a Web Server and Files

a. Publish a Website

b. Website Maintenance

c. Import and Export Site Definitions

d. Presenting a Website to the Client

XVI. Use Styles and Styles Sheets for Design

a. Create and Modify Styles

b. Use CSS3 and Media Queries

c. Work with Conflicting Styles

XVII. Collect Data with Forms

XVIII. Position Objects with AP Divs

XIX. Add Media and Interactivity

a. Add Behaviors

b. Add Sound

c. Add Video

XX. Create and Use Templates

XXI. Work with Library Items and Snippets