General Information

Date
July 12th, 2018

Author
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Department
Computing Sciences

Course Prefix
CSC

Course Number
162

Course Title
Web Site Development for New Media

Course Information

Credit Hours
3

Lecture Contact Hours
3

Lab Contact Hours
0

Other Contact Hours

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 Adobe's Web site creation and management application, Dreamweaver. Other topics include Web publishing, Web standards, and intellectual property law.

Key Assessment
This course does not contain a Key Assessment for any programs

Prerequisites
None

Co-requisites

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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
None

Course Learning Outcomes

Course Learning Outcomes

1. Create a well-designed Web site utilizing the most current standards and practices

2. Demonstrate content knowledge in web technologies including HTML, CSS, Web browsers and Web editing software

3. Select appropriate Web tools for a Web development project

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

5. Present a final product to a group of peers for comment

Outline of Topics Covered

HTML/ XHTML

1. Develop a Web page

   a. Web and HTML History
   b. HTML History
   c. Elements and Tags

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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 Dreamweaver 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 Date 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