

**AUSTIN COMMUNITY COLLEGE
CONTINUING EDUCATION**

Web Authoring: Using Cascading Style Sheets

(16 hours)

ITNW 6030

COURSE SYLLABUS

Course Description: Control fonts, background colors, hyperlinks, margins and other page elements; lay out a Web page using CSS. Learn to create CSS navigational menus for Web pages. **Prerequisites:** Introduction to World Wide Web Authoring and XHTML and Intermediate World Wide Web Authoring and XHTML.

Objectives: Every student will be able to:

- Imbed Style Sheets into an HTML page.
- Use an external Style Sheet.
- Identify and modify attributes and elements.
- Control the appearance of hypertext links.
- Control background and foreground colors and body attributes.
- Demonstrate how to set page margins using CSS.
- Demonstrate how to control the attributes of lists and tables.
- Create interactive menu systems.
- Use CSS for page layout.
- Demonstrate an understanding of the basic principles of DHTML.

Rationale: As students encounter increasingly larger and more complex Web projects they need adequate tools, not only to design the site, but to provide ease of maintenance throughout the life cycle of the Web site. Cascading Style Sheets provide a method of separating the look and feel (the design) of the site from the functionality of the site. With Cascading Style Sheet methods, students can design sites that are interactive and easy to maintain.

Evaluation: Students will be evaluated using online exams and a final project.

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Course Outline:

- I. Introduction to CSS (4 hours)
 - A. Introduction
 - B. Adding CSS
 - C. Browser Considerations
 - D. Lists of Attributes
 - E. Modifying the Attributes of Elements
 - F. Hypertext Links
 - G. Embedding Styles

- II. CSS II (4 hours)
 - A. Setting Foreground and Background Colors
 - B. Adding Background Images
 - C. Working With Fonts
 - D. Block Elements
 - E. Absolute and Relative Positioning

- III. CSS III (4 hours)
 - A. Working With Lists
 - B. Bulleted Lists
 - C. Numbered Lists
 - D. Working With Tables
 - E. Spacing
 - F. Padding
 - G. Borders

- IV. CSS IV (4 hours)
 - A. Creating Menus
 - B. Introduction to Page Layout
 - C. Methods of Using CSS for Page Layout
 - D. Basic Design Examples
 - E. Putting Together Layout and Menu Systems
 - F. Introduction to DHTML

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Student Assessment Checklist:

At the completion of the course each student will be able to:

- Write an HTML document with an imbedded Style Sheet.
- Write an HTML document that calls an external Style Sheet.
- Modify the attributes of page elements.
- Control the appearance of hypertext links.
- Set the background and foreground colors and body attributes of an HTML document using CSS.
- Set page margins using CSS.
- Control the attributes of lists and tables.
- Create interactive menu systems.
- Use CSS for page layout.
- Create a DHTML animation.