

**AUSTIN COMMUNITY COLLEGE  
CONTINUING EDUCATION**

**Part II: Intermediate World Wide Web Authoring  
X/HTML – Part II**

( 16 hours)

**ITNW 1071**

**COURSE SYLLABUS**

**Course Description:** Part II of a three-part series is intended for intermediate Web authors. Provides skills needed to move beyond basic Web page creation. Introduces table design, forms, and frames construction. Learn tips and tricks for maintaining an active Web site. Hands-on experience building complex web pages using techniques and principles covered in class. Prerequisites: Part I, similar course, or equivalent experience.

**Objectives:** Every student will be able to:

- Explain and use !DOCTYPE declaration
- Explain the differences between HTML and XHTML
- Create Web pages that utilize X/HTML table markup
- Use X/HTML frames to create a Web page with multiple, independent regions
- Design web-based forms for collecting user feedback and data
- Create client-side image maps
- Publish and update web pages using FTP
- Describe tools and procedures needed to maintain an extensive web site

**Rationale:** The World Wide Web has become a major media for the dissemination of all types of business-related and personal information. The ability to create Web pages is becoming an important aspect of many employment skill sets and experienced and talented Webmasters are and will continue to be in high demand. This hands-on, classroom approach to teaching X/HTML not only teaches students the X/HTML needed to create complex Web pages but also allows students to view first hand the way different browsers interpret complex groups of X/HTML. It is just as important to know when complex X/HTML is an appropriate solution as it is to know how to create the actual markup. The instructor will help students learn how to study an information-dissemination need and plan the best possible X/HTML solution based upon audience needs and technology level.

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**Required Material:** None

**Type of Course:** Short Course

**Evaluation:** Students will be evaluated on their competency in performing a variety of hands-on exercises created to insure the student has achieved all course objectives throughout the course, and class participation. In order to grant CEU credit for a course the students must be able to complete assessment exercises for each part of the course given by the instructor. The instructor will validate each participant's achievement of the course objectives by signing and awarding individual certificates of completion.

**Course Outline:**

- I. DOCTYPE, HTML, and X/HTML (1 hours)
  - A. Differences between HTML and XHTML
  - B. Using !DOCTYPE declaration
  
- II. X/HTML Tables (4 hours)
  - A. Table structure tags
  - B. Table content tags
  - C. Nested Tables
  - D. Adding style to tables with CSS
  
- III. HTML Frames (4 hours)
  - A. When to use frames
  - B. The <frameset> document
  - C. Creating individual frames
  - D. Using the name and target tags
  
- IV. X/HTML Forms (4 hours)
  - A. Basic form structure
  - B. Form types
  - C. Form tags and attributes
  - D. Introduction to CGI

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- V. Image maps (2 hours)
  - A. Client-side image maps
  
- VI. Advanced Web site maintenance (1 hours)
  - A. Issues
  - B. Tools
  - C. Using FTP

**Student Assessment Checklist:**

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

1. Explain and use DOCTYPE
2. Explain the differences between HTML and XHTML
3. Create Web pages that utilize X/HTML table markup
4. Use HTML frames to create a Web page with multiple, independent regions
5. Design web-based forms for collecting user feedback and data
6. Create both client-side and server-side image maps
7. Publish and update web pages using FTP
8. Describe tools and procedures needed to maintain an extensive web site