

**AUSTIN COMMUNITY COLLEGE
CONTINUING EDUCATION**

HTML 5

(16 hours)

ITNX 3010

COURSE SYLLABUS

Course Description: Get a deeper understanding of HTML 5 and learn how to create richer, more meaningful web pages with structural tags and descriptive attributes. Start with an overview of HTML 5 and how it differs from previous versions of HTML and XHTML. Learn about the new tags and attributes, and investigate how browsers deal with HTML 5 content. **Prerequisites:** Intermediate WWW Authoring and XHTML or equivalent knowledge.

Objectives: Every student will be able to:

- Identify the differences between HTML4, XHTML and HTML5
- Review the history of HTML5
- Explore the structure, tags and attributes of HTML5
- Discuss best practices and how to use HTML5 moving forward

Rationale: The web is a constantly changing landscape – and one of the major changes has been the introduction of HTML5. HTML5 represents the latest revision of the HTML standard and as such will be the standard moving forward on the World Wide Web.

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

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Course Outline:

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|------|--|---------|
| I. | What is HTML5?
Evolution of HTML
Differences between HTML 5, HTML4, and XHTML
How browsers are handling HTML5 | 3 hours |
| II. | HTML5 Markup
HTML5 Document Structure
Elements and Attributes
HTML5 forms | 5 hours |
| III. | HTML5 APIs
Canvas
Drag-and-drop
Media – Video & Audio | 5 hours |
| IV. | Implementing HTML5
Best Practices
Working with CSS3
Hands-on examples | 3 hours |