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.
Course Outline:

I. What is HTML5? 3 hours
   Evolution of HTML
   Differences between HTML 5, HTML4, and XHTML
   How browsers are handling HTML5

II. HTML5 Markup 5 hours
    HTML5 Document Structure
    Elements and Attributes
    HTML5 forms

III. HTML5 APIs 5 hours
     Canvas
     Drag-and-drop
     Media – Video & Audio

IV. Implementing HTML5 3 hours
    Best Practices
    Working with CSS3
    Hands-on examples