

## **INEW 1077**

### **Course Syllabus**

**1. Name of Course:** Beginning HTML, XHTML, CSS

**2. Number of Clock Hours:** 56

#### **3. Course Description:**

This course makes it easy to learn how to build web sites using the most up-to-date web standards. Whether you're a beginner eager to start writing your first web page or a more experienced programmer seeking to update your skills, you will find practical introductions to these essential languages, as well as invaluable tips and techniques. This course is offered via distance learning. There will be two online meeting sessions per week. Labs will be done offline under email guidance from instructor.

Prerequisites: Previous programming experience.

#### **4. Course Objectives**

After completing this course, students will be able to:

- Create HTML and XHTML pages that incorporate links, images, tables, audio, and video
  - Use CSS to control text, colors, backgrounds, and page layout
  - Design attractive layouts
  - Execute the basics of JavaScript and work with AJAX libraries
  - Build web sites that are accessible, easy to use, and will work on a variety of devices including mobile phones
  - Test a web site and put it on the web
  - Utilize coding practices commonly used in the real world
  - Describe the elements of basic text formatting
  - Use text markup and character entities for special characters
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#### **5. Rationale:**

Upon completion of this course, students will have a better understanding of building web sites utilizing up-to-date coding practices in use today.

#### **6. Required Materials:**

Head First C#: A Learner's Guide to Real-World Programming with Visual C# and .NET by Andrew Stellman & Jennifer Greene PSE , [O'Reilly Media](#); 2 edition (May 21, 2010), ISBN-10: 1449380344, ISBN-13: 978-1449380342.

#### **7. Evaluation**

Those who participate in class discussions, complete course lab work, and miss no more than three class meetings will be awarded 5.6 continuing education units.

## **8. Course Outline**

- Creating Content with HTML
- Markup Languages
- HTML Values and Units
- What Goes into a Web Document?
- The HEAD Elements
- Text Structuring Essentials
- Character Formatting Essentials
- Lists, Links, Tables, Frames, and Forms
- Multimedia
- Dynamic HTML
- HTML Tools and Variants
- Web Development Software
- Publishing Your Site
- An Introduction To XML
- Creating Mobile Documents
- Tidying and Validating Your Documents
- Controlling Presentation with CSS
- Style Definitions
- CSS Values and Units
- CSS Inheritance and Cascade
- Font Properties
- Text Formatting
- Padding, Margins, and Borders
- Colors and Backgrounds
- CSS Layouts
- Pseudo-Elements and Generated Content
- Dynamic HTML with CSS
- Media Styles and Defining Documents for Printing
- The Future of CSS: CSS3
- User Interface Styles
- Testing and Validating CSS
- HTML, XHTML, and CSS Tips and Tricks