

Outline

ADVANCED WEB DESIGN

WEB210

Division: Information Technology
Curriculum:
Course Title: Advanced Web Design
Course Number: 210

Quarter Credit Hours: 5
Approximate clock hours per quarter for
Lecture Hours: 55

Type of Course: Occupational Preparatory
Length of Course: Quarter
Class Size (maximum): 24

Prerequisite: WEB 200

- Students must know how to navigate on the WWW using URLs
- Students must know how to use Windows Explorer to manage files
- Students must know how to use FTP software
- Students must know how to compress/uncompress files
- Students must know how to use a plain text editor to create HTML pages that conform to HTML 4.0 validation

Course Description:

Focuses on using HTML for web site design including principles of graphic and information design and effective Web site navigation, as well as advanced HTML features like cascading styles sheets and javascript (DHTML). Students develop a web site in teams, practicing web production workflow in the process.

Course Outcomes:

Upon successful completion of this course, students will be able to

- Explain the principles of usable web design
- Identify web site or application navigational issues
- Develop advanced style sheets
- Develop DHTML menus
- Write XHTML
- Explain the benefits of XML for design and content management
- Explain the importance of usability testing for design effectiveness

Student Learning Outcomes:

- Communication – Write effectively to persuade and communicate ideas.
- Critical Thinking and Problem Solving – Think critically to evaluate information, solve problems and make decisions.
- Information Literacy – Use of WWW for information research

- Technology – Use the computer for writing and research; become familiar with mailing list basics as a list member.

Topical Outline and Major Divisions

1. WWW – Design Foundation and Evolution
2. CSS – Basics and Advanced Text
3. CSS – Layers and Positioning
4. DHTML – Fluid Design
5. DHTML – Navigation
6. MidTerm and Accessibility
7. DHTML – Navigation
8. DHTML – Accounting for Browser Differences
9. Introduction to XML and DTDs
10. Usability and Functional Testing
11. Final and Project Presentations

Outline Developed by Kathy E. Gill

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