BAKER COLLEGE
STUDENT LEARNING OUTCOMES

WEB 1110 Introduction to HTML
3 Semester Hours

Student Learning Outcomes & Enabling Objectives

1. Examine Web site components, including content structure, presentation, and behavior, and how they are used in Web development.
   a. Explain the importance of HTML and CSS in the Web development process.
   b. Explain the difference between server-side and client-side Web development.
   c. Discuss the major elements of a Web site:
      i. text
      ii. links
      iii. images
      iv. rich media
      v. tables
      vi. forms
      vii. scripts
   d. Discuss the importance of well-structured, semantic HTML.
   e. Build a Web site which utilizes HTML and CSS and successfully passes a W3C validation.
   f. Discuss the importance of accessibility and performance.
   g. Use the following design concepts: contrast, repetition, alignment, proximity, color, typography, and writing style.

2. Explore the evolution and future trends of Web practices and standards.
   a. Explain the purposes of domain names and hosting:
      i. history
      ii. how IP addressing works
      iii. naming conventions
      iv. global implications
   b. Discuss how Web standards have been derived and what will be the driving forces behind Web standards moving forward.
   c. Discuss graceful degradation, progressive enhancement, polyfills, adaptive Web design, responsive Web design, mobile first Web design, and future friendly concepts, and tools which help support these concepts.

3. Examine site maintenance, search engine optimization, accessibility, and performance optimization best practices.
    a. Explain what Domain, DNS, and hosting are, and the role they play in the function of the Web site.
    b. Explain how to obtain a domain name and hosting.
    c. Describe the role of the Web server.
    d. Upload files to a Web server using File Transfer Protocol.
    e. Discuss the importance of code organization and comments, file structure, file naming conventions, absolute vs. relative paths, and case-sensitivity.
    f. Examine Web hosting environment characteristics, including:
        i. User control panels
        ii. SSH CLI
        iii. Auto install of CMS software such as Wordpress, Joomla, or Moodle.
        iv. Shared hosting, VPS, and dedicated similarities and differences

4. Utilize typical tools for storyboarding, building, and debugging a Web site.
    a. Plan and storyboard a Web site.
    b. Utilize the Code View of Dreamweaver as a Web development tool.
    c. Use debugging tools.
    d. Use typical tools to construct, optimize, and export images to be displayed within a Web site.

Big Ideas and Essential Questions

Big Ideas

- Accessibility, usability, design, and performance optimization
- Tools
- Components
- Site maintenance best practices
- Evolution of Web practices and standards

Essential Questions

1. What is a Web site?
2. How does Web design impact the user experience?
3. What impact/affect do the evolution/trends of Web practices and standards have on Web design?
4. What is the importance of the components/tools on Web design?
5. How do site maintenance and best practices affect Web design?

These SLOs are approved for experiential credit.

Effective: Fall 2017