



BAKER COLLEGE

STUDENT LEARNING OUTCOMES

WEB 1110 Introduction to HTML
3 Semester Hours

Student Learning Outcomes and Enabling Objectives

SLO 1: Examine Web site components, including content structure, presentation, and behavior, and how they are used in Web development.

EO 1a: Explain the importance of HTML and CSS in the Web development process.

EO1b: Explain the difference between server-side and client-side Web development.

EO1c: Discuss the major elements of a Web site:

- I. text
- II. links
- III. images
- IV. rich media
- V. tables
- VI. forms
- VII. scripts

EO 1d: Discuss the importance of well-structured, semantic HTML.

EO 1e: Build a Web site which utilizes HTML and CSS and successfully passes a W3C validation.

EO1f: Discuss the importance of accessibility and performance.

EO 1g: Use the following design concepts: contrast, repetition, alignment, proximity, color, typography, and writing style.

SLO 2: Explore the evolution and future trends of Web practices and standards.

EO 2a: Explain the purposes of domain names and hosting:

- I. history
- II. how IP addressing works
- III. naming conventions
- IV. global implications

EO2b: Discuss how Web standards have been derived and what will be the driving forces behind Web standards moving forward.

EO 2c: 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.

SLO 3: Examine site maintenance, search engine optimization, accessibility, and performance optimization best practices.

EO 3a: Explain what Domain, DNS, and hosting are, and the role they play in the function of the Web site.

EO 3b: Explain how to obtain a domain name and hosting.

EO 3c: Describe the role of the Web server.

EO 3d: Upload files to a Web server using File Transfer Protocol.

EO 3e: Discuss the importance of code organization and comments, file structure, file naming conventions, absolute vs. relative paths, and case-sensitivity.

EO 3f: 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

SLO 4: Utilize typical tools for storyboarding, building, and debugging a Web site.

EO 4a: Plan and storyboard a Web site.

EO 4b: Utilize the Code View of Dreamweaver as a Web development tool.

EO 4c: Use debugging tools.

EO 4d: 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 not approved for experiential credit.

Effective: Fall 2017