

Introduction to Web Design

Course Description

This course introduces students to basic web design using HTML (Hypertext Markup Language) and CSS (Cascading Style Sheets). This course does not require any prior knowledge of HTML or web design. Students will be introduced to planning and designing effective web pages; creating web pages by writing HTML and CSS code; enhancing web pages with the use of layout techniques, text formatting, graphics, images, and multimedia; and producing a functional, multi-page website.

Course Code: 8675309

Standard 1

Evaluate websites for accuracy, authority, objectivity, currency and coverage.

Indicator 1.1 Identify the author of the website and know the difference between author and webmaster.

Indicator 1.2 Determine if information on a website is accurate and current.

Indicator 1.3 Analyze the functionality of the website

Standard 2

Analyze the design process in regards to audience, layout, purpose, and current standards of web development.

Indicator 2.1 Review industry web design standards.

Indicator 2.2 Explore current trends in web design.

Indicator 2.3 Determine the value of the planning process.

Indicator 2.4 Identify the target audience and the need for the website.

Indicator 2.5 Define the content for a website.

Indicator 2.6 Review the value of using optimal photos, graphics and text on a website.

Indicator 2.7 Create a design for a website.

Standard 3

Learn to read a write in the Hypertext Markup Language for a purpose. (HTML)

Indicator 3.1 Memorize basic tags employed in current HTML best practices.

Indicator 3.2 Identify tags used on an existing page.

Indicator 3.3 Modify existing webpage tags to change structure, improve design, or alter the webpage purpose.

Indicator 3.4 Construct an HTML page composed of a multitude of tags that demonstrates planning and purpose.

Standard 4

Understand and apply CSS to format web page elements.

Indicator 4.1 Evaluate the importance of CSS.

Indicator 4.2 Distinguish the attributes of CSS. (padding, border, hexadecimal color codes, div, absolute and relative positioning, etc.)

Indicator 4.3 Understand and apply effective web design principles.

Indicator 4.4 Enhance web pages by using text formatting, color, graphics, images, and multimedia.

Indicator 4.5 Apply CSS elements to a web page.

Standard 5

Explore how HTML/CSS is paired with other languages for website development.

Indicator 5.1 Know that other languages are used for the frontend and backend of web development.

Indicator 5.2 Discover why and how other languages are used in web development.

Indicator 5.3 Discuss the pros and cons of the variety of different languages used on the internet.

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