

## Cascading Style Sheets (CSS) for Web Page Development: Hands-On - 3 Days

### *Course 522 Overview*

- You Will Learn How To**
- Develop fast, efficient, accessible and attractive web pages using CSS and HTML
  - Generate tableless page layouts with pure CSS
  - Build pages that are optimized for search engines
  - Apply best practices to develop cross-browser compatible web pages and avoid pitfalls
  - Implement menu designs for effective site navigation
  - Create websites that meet Section 508 and W3C accessibility standards

**Course Benefits** Organizations are under increasing pressure to produce sophisticated, attractive and contemporary websites that work on a variety of browsers and are optimized for search engines. In this course, you design and rapidly develop cross-platform web pages using CSS and HTML. You also learn how to create effective site navigation, optimize pages for layout and printing, and design pages that meet the most stringent compliance regulations.

**Who Should Attend** Those involved in establishing, designing, developing and maintaining websites. Experience with HTML at the level of Course 470, "Developing a Website," is required.

**Hands-On Training** This course provides you with the skills to design and develop effective, accessible and exciting web pages. Exercises include:

- Constructing vertical and horizontal menus using lists
- Creating non-JavaScript rollover effects
- Developing CSS that work with different browsers
- Building site navigation with different menu designs
- Incorporating background images in page designs
- Optimizing document layout for usability and accessibility
- Positioning and floating page content
- Designing absolute positioning of page elements

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## Course 522 Outline

### Employing CSS

- Development cycle
- Benefits of CSS
- CSS vs. HTML styling
- Enhancing the visitor experience
- CSS standards
- Accessibility guidelines

### Applying CSS Fundamentals

#### CSS formatting conventions

- Defining CSS structure
- Units of measure
- Fixed vs. relative sizing
- Employing font and color properties
- Abbreviating and simplifying style sheets with shorthand styles

#### Choosing and applying styles

- Class vs. ID attributes
- Incorporating DIV and SPAN tags
- Comparing inline and block styling

#### Integrating style sheets

- External and embedded style sheets
- Importing vs. linking to external style sheets
- Working with the CSS cascade

#### The CSS box model

- Grouping and styling content
- Implementing margins, borders and padding
- Enriching site design with backgrounds and images
- Managing collapsed margins

### Manipulating the Style Sheet

#### Directing browser behavior

- The importance of the !DOCTYPE directive
- Choosing document standards
- Switching between quirks and standards compliant modes

#### Deriving and overriding styles

- Inheritance and style behavior
- Assigning styles and applying rules
- Working with specificity

### Structuring Page Layout

#### Managing page elements with CSS

- Building layout pages using pure CSS tableless techniques

- Floating
- Absolute vs. relative positioning

#### Effectively organizing content

- Optimizing page layout for accessibility, search engines and portable devices
- Producing rollover effects
- Implementing linear layout

### Implementing Cross-Browser Techniques

#### Incorporating best practices

- Building pages to display a variety of platforms
- Producing printable content without creating additional printer-friendly pages
- Styling for optimal print formatting

#### Cross-browser workarounds

- Targeting specific browsers
- Developing pages that work with quirky browsers and broken boxes
- Graceful degradation vs. progressive enhancement

### Employing Effective Navigation

#### Organizing website information

- Comparing menu techniques for optimal site usability
- Pinpointing visitor location in site structure with crumbtrails
- Creating search-friendly menus using lists

#### Constructing menus

- Implementing easily maintained tableless menus using HTML lists
- Designing accessible and attractive horizontal, vertical and tabbed menus
- Applying rollover techniques to menus

### Styling Forms and Tables for

#### Accessibility

#### Formatting tabular data

- Effective table design techniques
- Employing CSS to attractively style tables
- Applying accessibility techniques to table design

#### Form aesthetics to meet standards

- Creating effective and accessible forms that work with diverse browsers
- Applying style sheet properties to forms