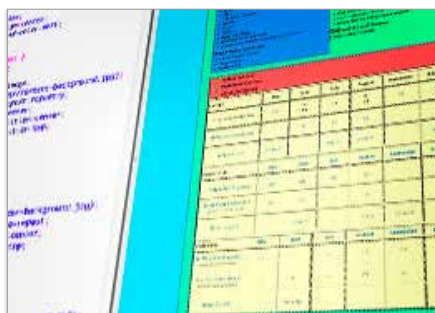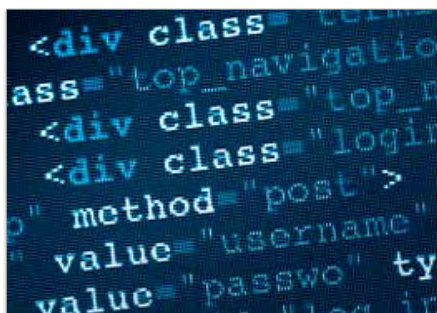# CSS Essentials | Course Overview

COURSE DESCRIPTION

Cascading Style Sheets (CSS) is the key to controlling the look of your site. Learn about the different types of CSS selectors, when to use each and how to efficiently create stylesheets to optimise both workflow and design, for practical real world web solutions.

This course will benefit anyone who needs to create professional, consistent, responsive web sites. There is a strong emphasis on creating standards compliant, accessible pages which render reliably in popular browsers and that can adapt to the various screen sizes of tablets and phones.

PREREQUISITE

This course is aimed at people who have attended the HTML & Web Principles course or for people who have been using programs like Dreamweaver but are new to coding.

WHAT YOU WILL LEARN

How to format and layout your responsive site using CSS.

- Consistent accessible fonts & sizes
- CSS based navigation
- Styling forms

- Positioning and layout
- Dealing with older browsers
- Responsive design & tips for mobile devices

~~$900~~ **$850** (+GST)

2 DAYS | 9–4:30PM

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Web Training Courses
Sydney, Melbourne, Brisbane and Canberra

Course outline

INTRODUCTION TO CSS
Separating form and content
Defining CSS
CSS syntax
CSS and older browsers
CSS frameworks
CSS Selectors
Where to place the CSS code
Inline, embedded and external styles
Inheritance and the cascade
Choosing the best CSS editor for your needs

TEXT STYLING
Text and fonts
Font families and fallback fonts
Text sizes for accessibility
Using Ems, pixels or percentages
Setting colours correctly
Removing underlines from links
Link hover states
Different link styles within one page
Heading styles
Background colours on headings
Heading and paragraph spacing
Indents, padding and margins
Highlighting words within a paragraph
Controlling line height
Controlling text alignment
Styling lists
Bullet point and numbered lists
Page margins

IMAGES
Images and borders
Image file formats & compression
Image sizes and resolution
Border colours, widths and line types
Removing borders from image links
Background images
Background repeating
Positioning backgrounds
Background size and scaling
Fixed and scrolling backgrounds
Backgrounds on multiple elements
Transparent areas in backgrounds
Efficient tiling backgrounds

NAVIGATION
Using a list as a navigation menu
Removing bullet points from a list
Making list items sit horizontally
Links within list items
CSS rollover navigation
CSS button appearance for menu items
Complex rollover navigation
Advanced CSS Selectors
Targeting nested list items
Targeting specific levels of nesting
Assigning RGB or HSL colour
Semi-transparent colours

FORMS
Styling form elements with CSS
Changing the look and feel of user interface elements
Highlighting a field when clicked into
The difference between block and inline elements
Changing an inline element to block or inline-block
Reliable control of widths, padding and margins
Layout for form elements
Styles for new HTML5 form elements
Browser support for new form elements and styling

EFFICIENCY AND BEST PRACTICE
Tips & Tricks
Efficient workflows
Best practice and web standards
W3C recommendations
Comments
Naming practices
Re-using your stylesheets

CROSS BROWSER TECHNIQUES
Testing in a range of browsers
Testing for mobile devices
Testing for different screen sizes
Issues with older browsers
Which features work in which browsers
Progressive enhancement
Browser specific stylesheets
Javascript polyfills for older browsers
Internet Explorer conditional comments
Alternative stylesheets

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Importance of the doctype
Common issues with older Internet Explorer versions
Validating CSS code

CSS POSITIONING

Determining repeating patterns in the layout
When to use a Class or an ID
Efficiency and editability with Classes and IDs
Efficient workflows through efficient style set up
Block level and inline elements
The CSS box model
Padding and margins
Widths and heights
Using pixels, ems or percentages for widths
How to calculate actual widths
Common problems with miscalculated widths
Aligning content left and right
Allowing text to wrap around an image
Floats
The importance of clearing floats
Common problems with floats and alignment
Centring content on a page
Auto margins
Adaptable design
Relative positions
Absolute positioning
Z-index and stacking order
Overlapping divs
The limitations of absolute positioning
Best practice with CSS layout

CSS LAYOUT

Column layouts and page divisions
A two column layout with a footer
A three column layout with a footer
Fixed width layouts
Flexible width layouts
Headers and footers
Print stylesheets
Responsive layout design
Designs that adapt to any screen size
Maximum and minimum widths
Automatic scaling for images
Adaptable page regions
Flexible layout and design
Media Queries for mobile devices

"Great thanks – unlocked the mysteries. Now I am more confident to change and maintain site."
Ian, Web Biz Owner

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