



Responsive Web design with HTML5 & CSS3

Duration: 1 day

Level: Advanced

This course is aimed at developers and designers who want to learn about the latest techniques for designing and building webpages. The course concentrates on using the new semantic markup in HTML5, and on techniques for building pages that configure themselves automatically depending on screen size. You will also learn how to use newer CSS3 selectors and properties for rounded corners, transparencies, gradients and more. *This course does not cover script-based aspects of HTML5 (video, canvas, animation, audio etc).*

Requirements: You should be able to hand-code HTML and CSS and should have an understanding of CSS design techniques.

HTML5 markup

- Planning a document structure based on the new HTML5 semantic elements
- When to use div tags
- When to use sections, articles, headers, footers and nav elements
- How headings work within HTML5 elements

Cross-browser compatibility

- Ensuring that HTML5 works in Internet Explorer and older browsers
- HTML5 'reset' styles
- Using Modernizr
- Ensuring fallbacks for less able browsers
- Conditional styles for Internet Explorer

Media Queries

- Understanding the syntax
- Basing media queries on screen size
- Making sure media queries work in older browsers

Responsive design

- Building a page 'from mobile up'
- Fluid columns
- Allowing images to resize
- Hiding unwanted elements
- Setting a maximum page width
- Setting and clearing floats
- Controlling font resizing for mobile devices

CSS3 design techniques

- Using a boilerplate HTML5 'reset' stylesheet
- RGBA/HSLA colour and opacity
- Round corners
- Shadows
- Gradients
- Resizable backgrounds
- Box-sizing
- Using CSS3 selectors