



Mobile Websites and Apps

Responsive Web Design

Introduction

The techniques of Responsive Web Design enable your users to simply enjoy an optimal experience, and save you the hassle from having to create a unique user experience for each user and every device. RWD helps you deal with the very real problem of not knowing where and how your application will be used.

Who Should Do This Course?

This Responsive Web Design course is suitable for anyone involved in the Web, from business owners to agency designers, corporations to developers.

Duration: 2 days

Class size: 10 students max

Times: 9:00am - 5:00pm

Price: Refer to our website for current course and package pricing

After the course?

Each student will receive:

- Certificate of completion
- Training manual
- 12 months FREE email support
- FREE class re-sit (if necessary)

About The Course

During this 2 day course, participants will learn how to build a Responsive website through a variety of step-by-step projects. The participants will work on a Responsive site that will adapt to a device screen size. In addition this course also covers important issues relating to mobile optimised websites.

Prerequisites

Working knowledge of HTML5 and CSS3 is a pre-requisite for this course. Prior to attending this course, participants should have completed our HTML5 and CSS3 course or have equivalent skills.

Content

Unit 1: Setting the Viewport Meta Tag

- The Viewport Meta Tag
- device-width
- initial-scale
- maximum-scale

Unit 2: Hi-Res Images and Effects

- Double-Resolution Images (Retina Graphics)
- Setting Width to Half the Image's Width
- CSS3 Gradients and Shadows
- Adding Custom Fonts

- Creating a Scrollable Area
- Creating a Horizontal Scrollable Area
- Optimizing the Scrolling for iOS Touch Devices

Unit 3: Creating a Mobile-Friendly Nav and Forms

- Styling Mobile-Friendly Nav
- Working with Text Shadow

Unit 4: Creating Mobile-Friendly Forms

- Input Types (Search & Email)
- Making CSS Background Gradients Fill the Page

Unit 5: Media Queries For Retina Graphics

- Working with Media Queries
- Loading Hi-Res Images for Retina Display Devices
- Simple Responsive Site
- Understanding Fluid Widths
- Max-Width Media Queries
- Mobile First Thinking
- Min-Width Media Queries

Unit 6: Creating a Basic Wireframe

- Wireframing the Basic Layout
- Adding Placeholder Content
- Setting Up “Mobile First” Media Queries
- Finishing the Wireframe
- Structuring the Page for Various Sizes/Devices
- Min and Max-Width Media Queries
- Hiding Elements for Specific Sizes/Devices

Unit 7: Adding the Background

- Adding a Visual Indicator for Each Media Query
- Styling the Page’s Background
- Adding Custom Web Fonts

Unit 8: Start the Header

- Adding the Logo & Nav
- Styling the Logo & Nav for Various Sizes/Devices
- Adding Images for Large Screens Only (Don’t Load on Mobile)
- Finishing the Header & Adding Slideshow
- Styling the Header
- Adding a Placeholder Slideshow

Unit 9: Understanding Responsive Issues

- Styling the Upcoming Shows for Various Sizes/Devices
- Using min-height to Ensure Element Heights Match
- Limiting Flexible Content
- Setting Max-Widths
- Constraining the Design at Certain Break Points
- Centering the Design at Certain Screen Sizes

Unit 10: Responsive Slideshow

- Getting the Slideshow Working
- Styling the Slideshow Content and Controls
- Preventing the Images from Loading on Mobile
- Supporting IE 8 and Older with a Background-Size Polyfill
- Respond.js Polyfill for IE
- Using a Polyfill to get Media Queries Working in IE 7 & 8
- Final Code Cleanup

Unit 11: Grids for Responsive Prototyping

- Setting up for Twitter
- Using the Grid System

Unit 12: Fluid and Nested Layouts

- Using Fluid Layout
- Nesting Sections

Unit 13: Making it Responsive

- Using the Responsive Styles

Looking for course dates?

To view a full list of course dates, please visit our website at www.dynamicwebtraining.com.au

Alternatively please contact our office on **1300 888 724**