



Responsive Web Design with HTML5 & CSS3

Course ISI-1447B 2 Days Instructor-led, Hands-On

Introduction

Students attending this two day instructor-led course will learn how to build websites with a “responsive and mobile first” methodology, allowing a website to display effortlessly on every device that accesses it

Desktop-only websites just aren't good enough anymore. With mobile internet usage still rising, and tablets changing internet consumption habits, you need to know how to build websites that will just ‘work’, regardless of the devices used to access them. This course explains all the key approaches necessary to create and maintain a modern responsive design.

Learn how to build websites with a “responsive and mobile first” methodology, allowing a website to display effortlessly on every device that accesses it. Learn all the most up-to-date techniques and tools needed to build great responsive designs, ensuring that your projects won't just be built ‘right’ for today, but in the future too

At Course Completion

Upon successful completion of this course, students will learn:

- Understand what responsive design is, and why it's vital for modern web development
- HTML5 markup is cleaner, faster, and more semantically rich than anything that has come before - learn how to use it and its latest features
- Integrate CSS3 media queries into your designs to use different styles for different media. You'll also learn about future media queries which are evolving in CSS4.
- Responsive images allow different images to be presented in different scenarios. We'll cover how to load different sets of images depending upon screen size or resolution and how to display different images in different contexts.
- Conquer forms! Add validation and useful interface elements like date pickers and range sliders with HTML5 markup alone.
- Implement SVGs into your responsive designs to provide resolution independent images, and learn how to adapt and animate them
- Learn how to use the latest features of CSS including custom fonts, nth-child selectors (and some CSS4 selectors), CSS custom properties (variables), and CSS calc

Contact ISInc for more information at 916.920.1700 or by visiting our website at <http://www.isinc.com>



Prerequisites

This course assumes the students have completed the following course or have equivalent experience: An Introduction to HTML5 and CSS3 for Web Designers, Course ISI-1372B

Course Outline

- Module 1: The Essentials of Responsive Web Design**
- Module 2: Media Queries—Supporting Differing Viewports**
- Module 3: Fluid Layouts and Responsive Images**
- Module 4: HTML5 for Responsive Web Designs**
- Module 5: CSS3—Selectors, Typography, Color Modes and New Features**
- Module 6: Stunning Aesthetics with CSS3**
- Module 7: Using SVGs for Resolution Independence**
- Module 8: Transitions, Transformations and Animations**
- Module 9: Conquer Forms with HTML5 and CSS3**
- Module 10: Approaching a Responsive Web Design**