

Course Outline

Introduction to HTML5 and CSS3 for Web Professionals

Duration: 2 Days

OBJECTIVES

This course is aimed at existing web developers with knowledge of earlier versions of HTML and CSS. The course gives an introduction to some of the important new features and tags available within HTML5, as well as some of the latest CSS and JavaScript techniques. It includes the use of new structural HTML element tags such as HEADER, FOOTER, ASIDE, ARTICLE and NAV, as well as the use of the VIDEO and AUDIO tags.

PRE-REQUISITES

Delegates should be reasonably comfortable with HTML4, XHTML, DOM, CSS and JavaScript or have attended our Introduction to Web publishing and HTML course.

COURSE OUTLINE

Introduction

- Brief overview of HTML4, XHTML, XML and HTML5
- New features in HTML5

Essential building blocks

- Understanding HTML DOM
- JavaScript Objects, Properties, methods and functions
- Using JavaScript to manipulate HTML DOM
- The essentials of CSS

HTML5 Fundamentals

- The new Semantic Elements
- HTML5 and Forms
- HTML5 and CSS3
- HTML5 Canvas
- Current browser support
- Dealing with current browser limitations

HTML 5 and SEO

- Taking advantage of the new SEO features of HTML5
- How to effectively hide and show elements on page
- Prudent use of JavaScript libraries

HTML5 and Mobile sites

- CSS and HTML5 for Mobile
- Building a fluid site
- Current trends in web site design

HTML5 and Data storage

- Browser Local Storage
- Using Session Storage

Building offline applications

- HTML5 Apps vs Native Apps

- Utilising the potential of offline applications

Geolocation

- HTML5 geolocation

Dynamic content

- HTML5 and Audio
- HTML5 and Video