

**Price:** R7,200.00 excl. VAT  
**Duration:** 4.5 days  
**Code:** HTML5

## HTML 5 and CSS

### **Description**

HTML makes the web work - every web page you view on the Internet is written in HTML. This course will teach you how to write web pages that work in different browsers and on different devices - from desktop computers to smart phones. You will learn how to make your pages attractive and interesting with CSS. By the end of the course you will be able to build a small web site, using only free tools that are already on your computer.

### **Objectives**

After you have completed the HTML 5 and CSS course, you will be able to:

- Write web pages that meet the international standards for HTML, with simple every-day computer programs.
- Create web pages that contain text, images, lists, headings and tables.
- Create links between web pages.
- Create forms on web pages that can be used to capture data for web applications.
- Format web pages and make them attractive using Cascading Style Sheets.
- Understand the consequences of your design choices, and how to write pages that work for all users.

### **Intended Audience**

You should attend the HTML 5 and CSS course if:

- You want to develop web sites.
- You want to develop web-based applications. (You'll need more than just this course, but this is your starting point.)
- You need to maintain internal company intranet pages, or web sites built by other people.
- You need a more technical understanding of how to develop web sites that are search-engine friendly.

### **Prerequisites**

Before you attend the HTML 5 and CSS course:

- You should be comfortable using the browser and the Internet.
- You should understand the concepts of files and folders, and how to find them on your computer.

### **Course Contents**

#### **Introduction**

- How the Web works: client versus server technology.
- The concept of a mark-up language.
- The W3 Consortium.
- The evolution of HTML, including XHTML and HTML 5.
- Deprecated elements.
- HTML editors and converters.

#### **Basic structure of an HTML document**

- Standards and validation.

- Structural elements.
- New sectioning elements in HTML 5.
- Block elements.
- Text formatting elements.

#### ***Links, images, multimedia and tables***

- Creating links between pages.
- Source and destination links.
- Adding images to a web page.
- Image formats and colours.
- The iframe elements.
- New multimedia elements in HTML 5.
- Creating tables.
- Row and column groups.

#### ***Web Forms***

- Creating forms.
- Form controls: radio buttons, checkboxes, selection lists and textboxes.
- Simple PHP form processing.
- New form controls in HTML 5.

#### ***Cascading Style Sheets***

- The importance of style sheets.
- Incorporating style information.
- CSS 1 and CSS 2 selectors.
- Style sheet properties: font, background, padding, margin, border, text, list-item and display properties.
- Units of measure and types of values.
- The CSS cascade.

#### ***More Advanced CSS***

- CSS positioning.
- Changing the display.
- Example of CSS layers layout.
- Media queries.
- New functionality in CSS 3.

#### ***Design and Management***

- Accessibility guidelines.
- Search Engine Optimisation.
- Planning a web-site.
- Design guidelines.
- Compatibility issues.
- Responsive web design.
- The role of JavaScript.

**\*\*** *The lecturer reserves the right to modify the contents of the course to suit the needs of the delegates.*