

**Price:** R6,400.00 excl. VAT  
**Duration:** 5 days  
**Code:** CSWEB

# Web Development with HTML and CSS

## Description

The Web Development course teaches delegates how to create cross-browser compatible web pages using HTML / XHTML and Cascading Style Sheets (CSS). Design guidelines and standards are discussed, as well as web accessibility. It also provides an introduction to JavaScript.

## Objectives

Delegates who complete the Web Development with HTML and CSS course will be able to:

- Develop valid web pages in HTML, without the need for expensive GUI tools
- Create web pages that contain text, images, lists, headings and tables.
- Create links between web pages.
- Create web pages that use frames.
- Create web-based forms that can be used within web applications.
- Format web pages using Cascading Style Sheets.
- Understand the role of Javascript in web development.
- Be aware of design Do's and Don'ts.
- Understand the importance of web standards and web accessibility.

## Intended Audience

Any person who wants to develop web pages, and who must maintain intranet or Internet web sites.

Developers who must develop web-based applications.

## Prerequisites

Familiarity with browsers and the Internet. Basic Windows knowledge of directories (folders) and file names. Some programming or web development experience is beneficial, but not required.

## Course Contents

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

**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. • Deprecated and obsolete elements. • HTML editors and converters.

**Basic HTML elements** • The role of the DOCTYPE and how to validate pages. • Structural elements. • Block elements. • Text formatting elements. • Source and destination links. • Images.

**Tables and Frames** • Creating tables. • Creating frameset pages. • Target frames in links.

**Web Forms** • Creating forms in HTML. • Different control elements used in forms e.g. radio buttons, checkboxes, selection lists and textboxes.

**Cascading Style Sheets** • Introduction to style sheets. • Ways to incorporate style information. • Style sheet selectors. • Style sheet properties and values. • The CSS cascade.

**Design and Management** • Accessibility guidelines. • Basics of Search Engine Optimisation. • Planning a web-site. • Design considerations - some Do's and Don'ts. • The importance of standards. • Compatibility issues and testing.

**Introduction to JavaScript** • The role of client-side scripting and Dynamic HTML. • Embedding scripts in HTML pages. • Examples of Dynamic HTML.