

Introduction to HTML & CSS

Duration: 1 Day

HTML is the core language for creating web pages. It provides fundamental structure and content. CSS works with the HTML, and provides formatting and design. This course is aimed at anyone who wants to begin editing and writing their own HTML & CSS code. Whether you just need to edit text using a Content Management System, or want to learn to build websites or create HTML emails, this 1-day course is an essential starting point. It's also a prerequisite for anyone wishing to attend more advanced coding courses.

Requirements: None!

General

- Web technologies overview - what goes into a typical web page.
- Website structure - rules and conventions.
- File naming conventions.
- Following standards - usability and accessibility issues, essential page elements and properties.
- About web browsers - previewing and testing your work.
- Tools of the trade - code editors and useful resources and extensions.

About HTML

- HTML/XHTML/HTML5 - the differences, and why you should use the latest version.
- Principles of HTML - document structure, tags and attributes.
- Well-written code - rules and conventions.
- Special characters - avoiding glitches.
- Why well-written code helps to create accessible and search engine friendly webpages.
- Document Head content - page titles, meta tags.

Markup with basic elements

- Best practice for marking up text.
- About semantic markup.
- Paragraphs and line breaks.
- Headings.
- Bold/Italics.
- Spans, Divs and other structural containers.
- Unordered and ordered lists.
- Tables - displaying tabular data.

Hyperlinks

- Understanding relative and absolute paths.
- Email and external links.
- Same page navigation for long documents.
- Page to page navigation.
- Using images for links.

Typography and design with CSS

- Inline, Embedded and external stylesheets.
- Formatting text - typeface, size and colour.
- Text alignment.
- Styling individual elements with classes.
- Controlling vertical and horizontal spacing.
- Defining borders.
- Background properties.
- Styling hyperlinks.
- Working with structural elements for page layout.
- Page width and alignment.

Web graphics

- Using the IMG tag.
- File formats - JPEG, PNG, GIF, SVG.
- The importance of pixels and resolution.
- Image optimisation using Photoshop and other image editing programs.
- About high resolution images.

Other topics

- Embedding a Google map.
- Using Google fonts.
- The basic principals of good SEO.
- About web servers, web hosting and domain names.