



INFOCUS COURSEWARE

Web Development

Level 1



Product Code: INF1220

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❖ General Description

This is a beginner's course, which will guide you through the skills you need to be able to design, create and format web pages using HTML and CSS, including adding images and media and using layout techniques.

❖ Learning Outcomes

At the completion of this course you should be able to:

- understand what **HTML** is and what it is used for
- apply basic **HTML** text formatting
- create links in a **HTML** document
- create and work with lists in a **HTML** document
- include images in **HTML** documents
- create tables in **HTML** documents
- create forms for data entry in **HTML** documents
- insert and work with different types of media
- create and use simple cascading style sheets
- use common **CSS** properties for basic formatting
- manage layouts using **CSS**
- ensure your web pages are accessible to everyone
- understand **JavaScript** and how it can be used
- prepare and publish your website

❖ Prerequisites

Web Development - Level 1 assumes little or no knowledge of the HTML and CSS languages. However, it would be beneficial to have a general understanding of personal computers.

❖ Topic Sheets

103 topics

❖ Methodology

The InFocus series of publications have been written with one topic per page. Topic sheets either contain relevant reference information, or detailed step-by-step instructions designed on a real-world case study scenario. Publications can be used for instructor-led training, self-paced learning, or a combination of the two.

❖ Formats Available

A4 Black and White, A5 Black and White (quantity order only), A5 Full Colour (quantity order only), Electronic Licence

❖ Companion Products

There are a number of complementary titles in the same series as this publication. Information about other relevant publications can be found on our website at www.watsoniapublishing.com.

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Product Information



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Contents

HTML Basics

- The Internet and the World Wide Web
- A Brief History of HTML
- Basic HTML Concepts
- Starting Notepad in Windows 10
- Creating a Simple HTML Document
- Viewing a HTML Document in a Browser
- Editing a HTML Document
- Adding a Doctype Declaration

Basic Text Formatting

- Creating Headings
- Creating Paragraphs
- Applying Bold and Italics
- Creating Horizontal Lines
- Using Special Characters
- Adding Comments

Links

- Types of Web Page Links
- Creating a Link to a Page
- Creating a Link to a Web Site
- Creating a Link to an Email Address
- Creating a Link Within a Document
- Creating a Menu for a Web Page

Lists

- Creating an Unordered List
- Creating an Ordered List
- Mixing List Types

Images

- Image Formats
- Creating an Inline Image
- Using Images for Navigation
- Using Images as Thumbnails

Tables

- Creating a Simple Table
- Adding Table Headers
- Row and Column Spans

Forms

- Creating a Form
- Creating Text Input Fields
- Autofocus and Placeholder Text
- Creating Radio Buttons
- Creating Checkboxes

- Creating a Drop-Down List
- Creating a Scrollable List
- Creating a Text Area
- Creating Reset and Submit Buttons
- Form Validation
- More Form Controls

Media

- Audio and Video Formats
- Inserting Video
- Adding Multiple Video Sources
- Adding Text Tracks
- Inserting Audio

Cascading Style Sheets

- Understanding Styles
- Understanding Selector Types
- Specifying Colour in CSS
- Units of Measurement
- Creating an Inline Style
- Creating an Internal Style Sheet
- Creating a Class Style
- Creating Pseudo Class Styles
- Creating an ID Style
- Creating an External Style Sheet File
- Applying a CSS File to Web Pages

Common CSS Properties

- Colour and Background
- Borders
- Font and Text
- Height and Width
- Margins
- Padding
- Applying Margins to a Page
- Styling a Table

CSS Layout

- Block and Inline Elements
- The Box Model
- Adding a Content Container
- Understanding the Float Property
- Aligning Text and Images
- Fixed Width Column Layout
- Percentage Width Column Layout

Accessibility

- Understanding Accessibility
- General Accessibility Guidelines
- Using Semantic Elements

- Semantic Page Elements
- Semantic Text Elements

Introducing JavaScript

- Understanding JavaScript
- JavaScript Events
- Creating a JavaScript Event
- Manipulating an Element
- JavaScript Syntax
- Creating an Internal Script
- Creating an External Script File

Preparation and Publishing

- Providing Meta Information
- Providing an Icon
- Tests for Web Sites
- Checking Your Web Site
- Your Web Site Host and Beyond



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