

# Course Outline



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## Dynamic HTML

### Course Description:

This course provides delegates with more advanced HTML skills, allowing the creation of dynamic content web pages. Text editors are used to create the HTML - this is not a course in web publishing tools. The course is mainly practical with plenty of exercises to provide hands on experience. A web server is available to allow delegates to publish their web page.

### Pre-requisites:

It is expected that delegates have a knowledge of HTML to the standard achieved by the PTR HTML Web Authoring course.

### Course Content:

- **Introduction to style sheets**
  - Box components
  - CSS-1
  - Style sheet elements, attributes and values
  - Binding style sheets to elements
  - Importing external style sheets
  - Subgroup selectors (class, ID, contextual)
  - CSS-2
  - More selectors (Pseudo-element, pseudo-class, attribute, universal, parent-child, adjacent)
  - JavaScript style sheets
  - Attributes and elements, JavaScript selectors
  - Cascade precedence rules
  - Cross platform differences

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Registered Office: Grenville Court Britwell Road Burnham Bucks SL1 8DF Company Registered No: 2442290 – VAT registration No:532 1929 56

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- **Dynamic positioning (CSS-P)**
  - P elements (absolute and relative, overlapping and wrapping, layers)
  - Positioning attributes (clip, overflow, visibility, z-index)
  - Using scripting to change attribute values
- **Introduction to JavaScript**
  - The Document Object Model (DOM)
  - Embedding JavaScript in HTML
  - Defining and calling functions
  - Managing windows (opening, closing, changing layout, navigating)
- **JavaScript event handling**
  - Basic events (mouse clicks, key presses, movements)
  - Binding event handlers to elements (tags, objects, scripts)
  - Event handler return values
  - Event propagation
  - Modifier keys
- **JavaScript language**
  - Values, variables and literals
  - Expressions and operators
  - Conditional statements and loops
  - Built-in JavaScript functions
- **JavaScript for dynamic content**
  - Writing to other frames and windows
  - Image swapping
  - Changing style sheet attribute values
  - Changing page content
  - Using JavaScript for dynamic forms
- **Introduction to server side scripting**
  - Server side includes (SSI)
  - Active Server Pages (ASP)
  - Hypertext pre-processor (PHP)

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**Course Duration:**

**2 Days**