

Modern,Responsive Websites with HTML & CSS

Duration: 3 Days Course Code: HCSS-MR Delivery Method: Virtual Learning

Overview:

Modern,Responsive Websites with HTML & CSS Course Overview

HTML & CSS are the fundamental building blocks of the web. This course is designed to provide delegates with the knowledge and skills necessary to build and deploy stylish,accessible websites that look good on any device.

Delegates will learn how to build websites that incorporate text elements,hyperlinks,images,audio and video,tables and forms,all styled using the latest CSS techniques. Delegates will also learn how to make their sites responsive from the start.

Exercises and examples are used throughout the course to give practical hands-on experience with the techniques covered.

NB: Some similar courses make mention of HTML5 and CSS3. Ours does not because HTML5 implies JavaScript which is not covered by this course,and CSS3 implies only a subset of the total specification. The code delegates will produce during the course will make use of the most up-to-date features of both languages.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

Who will the Course Benefit?

The Modern,Responsive Websites with HTML & CSS course is aimed at those who are new or have had little exposure to HTML & CSS and who will be responsible for building and/or maintaining websites. It may also be of value to those who wish to refresh/renew their knowledge on the subject after some time away from it.

Objectives:

■ Course Objectives

■ This course aims to provide delegates with the skills and knowledge necessary to construct stylish and responsive HTML pages that exploit all the core HTML elements including text elements,hyperlinks,multimedia,tables,and forms. Delegates should also be able to style and lay out said elements exploiting a solid understanding of CSS concepts and core CSS properties.

Prerequisites:

■ Delegates need only possess basic computing skills - navigate the filesystem,create and edit files and surf the web.

Follow-on-Courses:

Further Learning

- Core JavaScript
 - JavaScript Developer
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Content:

Modern, Responsive Websites with HTML ;
CSS Training Course Course Contents - DAY
1

Course Introduction

- Administration and Course Materials
- Course Structure and Agenda
- Delegate and Trainer Introductions

Session 1: INTRODUCTION

- Setting up the development environment
- How the web works
- HTML
- Elements, tags, and attributes
- HTML document structure
- An introduction to mobile-first development
- Special characters
- Comments
- CSS
- Rules, selectors, and properties
- Linking HTML and CSS
- Chrome's Developer Tools
- Publishing

Session 2: TEXT ELEMENTS

- Headings and paragraphs
- Other text elements
- Styling text elements
- CSS values and units
- Web fonts
- Unordered and ordered lists
- Styling lists

Session 3: HYPERLINKS

- Hyperlinks
- URLs and paths
- Document fragments
- Email links
- Styling links

Session 4: MORE CSS SELECTORS

- Selectors (again)
- Selector lists
- Type, class, and ID selectors
- Attribute selectors
- Pseudo-classes and pseudo-elements
- Combinators
- The cascade, specificity and inheritance
- At-rules Modern, Responsive Websites with HTML ; CSS Training Course Course Contents - DAY 2

Session 5: STRUCTURING CONTENT

- Block and inline elements
- The box model
- Styling boxes
- Semantic elements
- Line breaks and horizontal rules
- An introduction to layout using CSS Grid

Session 6: MULTIMEDIA AND EMBEDDING

- Images
- Image formats
- Figures and captions
- Styling images
- Background images
- Video and audio
- Media container formats
- Video text tracks
- Embedding content with iframe, embed, and object (briefly)
- SVG
- Icons

Session 7: TABLES

- Table rows and cells
- Headers
- Spanning
- Column groups
- Captions
- Semantic table tags
- Styling tables

Session 8: FORMS

- The purpose of forms
- Forms
- Labels and text boxes
- Buttons
- Styling forms
- Sending form data to the server
- Grouping form fields
- Input types and attributes
- Drop down boxes
- Progress bars Modern, Responsive Websites with HTML ; CSS Training Course Course Contents - DAY 3

Session 9: MORE LAYOUT

- Normal flow
- Floats
- Positioning
- Flexbox
- Multi-column layout
- Grid
- Responsive design
- Media queries
- Feature queries
- Responsive media
- Intrinsic layout patterns

Session 10: MORE CSS PROPERTIES

- Rounded corners
- Multiple backgrounds
- Gradients
- Shadows
- Text effects
- Transforms
- Transitions
- Animations
- And more?

Session 11: CSS FRAMEWORKS AND PREPROCESSORS

- CSS frameworks
- The pros and cons of CSS frameworks
- Popular CSS frameworks
- CSS preprocessors
- CSS preprocessor features
- Popular CSS preprocessors
- CSS's var function

Session 12: INTRODUCTION TO UI/UX DESIGN, SEO, ; PERFORMANCE OPTIMISATION

- UI/UX design
- UI/UX design guidelines and best practices
- Search Engine Optimisation (SEO)
- HTML tags that are important for SEO
- SEO best practices
- Website performance optimisation

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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www.globalknowledge.com/en-be/