Web Essentials | Introduction to HTML5, CSS3 and Responsive Design (TT4002)

Category: Infrastructure & IT Operations | **Vendor:** Trivera Tech

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Introduction to HTML5/ CSS3 and Responsive Design Basics is a hands-on basic web development course geared for developers who need to understand what the latest in web technologies and responsive design practices that are central to targeting the entire spectrum of user platforms and browsers. This comprehensive course provides a balanced mixture of theory and practical labs designed to take students through HTML5 and CSS3. Students who attend this course will leave this course armed with the new skills to design, implement, and deploy robust, flexible, and safe web applications.

About This Course

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Who Should Attend

This Introductory-level course is targeted for aspiring web developers who have software development experience or background. The course can also be adjusted for non-developers upon request.

Prerequisites & Entry Requirements

General Prerequisites:

Basic Computer Literacy and Text Editing: Comfort with using computers, basic software applications, and text editors for
coding.
- Fundamentals of Web Development: General awareness of web development concepts and processes, including how
web pages are structured and served. Basic understanding of HTML including elements, tags, and basic page structure and
Introductory knowledge of CSS including styling text and layout basics [@Price]ould be helpful.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

This ‘skills-focused’ course is approximately 50% hands-on, combining expert lecture, real-world demonstrations and group discussions with machine-based practical labs and exercises. Our instructors are highly experienced practitioners who bring years of current 'on-the-job' experience into every classroom.

Detailed Course Outline

HTML

- Define HTML and review its history
- Look at XHTML and its relationship to HTML
- Identify HTML limitations and improvements

HTML5

- HTML5 Overview
- HTML5 Semantic Structure
- HTML5 Forms
- HTML5 Media Delivery

CSS

- Learn the basics of CSS
- Meaning of cascading in CSS
- Declaring CSS within your HTML page
- Creating styles in an external CSS file
- Control how to display and position HTML elements
- Overriding standard tag behavior
- Adding new classes
- Using custom classes in your page

CSS3 Overview

- What is new in CSS3
- The Advantages of CSS3
- Browser Support for CSS3

CSS3 Advanced Selectors

- Selecting Using Attributes
- Selecting Using DOM Structure
- Complex Selecting using Pseudo-Classes
- Selecting Using UI Components and State

CSS3 Visual Effects

- Font Options, Opacity, and Color
- Distributing Content Across Columns
- Working with Borders and Boxes
- Working with Vendor Prefixes
- Functional Techniques

HTML5 JavaScript API

- Cross-Domain Messaging
- Working with Web Storage
- Offline with Application Cache
- Geolocation: What, Why, and How

Responsive Web Design (RWD)

- Adapting to Varying Screen Sizes
- Scaling Page and Text Content
- Scaling and Adapting for Media
- Options for Adjusting Media

, HTML Quick Refresh

Define HTML

Look at XHTML and its relationship to HTML

Identify HTML limitations and improvements

Hands-on Lab

Getting Started with HTML5

HTML5: Status and Support

Semantic Structure and Tags

Handling Complex Media Options

Lab: Writing a Valid HTML5 Document

HTML5 Forms

Working with Legacy Browsers

Forms, Input Types, and Data Qualification

Hands-on Lab

CSS Basics

Learn the basics of CSS

Meaning of cascading in CSS

Declaring CSS within your HTML page

Creating styles in an external CSS file

Control how to display and position HTML elements

Overriding standard tag behavior

Adding new classes

Using custom classes in your page

Hands-on Lab

Getting started with CSS3

What is new in CSS3

The Advantages of CSS3

Layout of elements using the display property

CSS Flexbox

Hands-on Lab

CSS3 Advanced Selectors

Selecting Using Attributes

Selecting Using DOM Structure

Complex Selecting using Pseudo-Classes

Selecting Using UI Components and State

Hands-on Lab

CSS3 Visual Effects

Font Options, and Color

Distributing Content Across Columns

Working with Borders and Boxes

Working with Vendor Prefixes

Functional Techniques

Hands-on Lab

Responsive Web Design

Adapting to Varying Screen Sizes

Scaling Page and Text Content

Scaling and Adapting for Media

Options for Adjusting Media

Hands-on Lab

HTML5 JavaScript API

Cross-Domain Messaging

Working with Web Storage

Geolocation: What, and How

Hands-on Lab

Additional Course Details

Nexus Humans Web Essentials | Introduction to HTML5, CSS3 and Responsive Design (TT4002) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Web Essentials | Introduction to HTML5, CSS3 and Responsive Design (TT4002) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Web Essentials | Introduction to HTML5, CSS3 and Responsive Design (TT4002)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 2-day Web Essentials | Introduction to HTML5, CSS3 and Responsive Design (TT4002) course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Web Essentials | Introduction to HTML5, CSS3 and Responsive Design (TT4002) training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Web Essentials | Introduction to HTML5, CSS3 and Responsive Design (TT4002)?

Yes, we provide corporate training, dedicated training, and closed classes for Web Essentials | Introduction to HTML5, CSS3 and Responsive Design (TT4002). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: HTML5/CSS3

Q: Why choose Nexus Human for Web Essentials | Introduction to HTML5, CSS3 and Responsive Design (TT4002)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Web Essentials | Introduction to HTML5, CSS3 and Responsive Design (TT4002) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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