Mobile & Responsive Web Design

Category: Software Development & Programming | **Vendor:** Various

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Gain the necessary skills for responsive and mobile website design that fully harness sophisticated capabilities of web browsers on mobile devices. In this training course, you learn how to define the elements of Responsive Wed Design (RWD), implement mobile frameworks, enhance site functionality, and design an optimal experience for mobile interaction.

About This Course

Gain the necessary skills for responsive and mobile website design that fully harness sophisticated capabilities of web browsers on mobile devices. In this training course, you learn how to define the elements of Responsive Wed Design (RWD), implement mobile frameworks, enhance site functionality, and design an optimal experience for mobile interaction.

Prerequisites & Entry Requirements

General Prerequisites:

- Knowledge of HTML at the level of:

- Developing a Website
- Knowledge of how to develop a website
- CSS experience
- JavaScript experience

Learning Outcomes

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

- Design and build mobile-first and responsive websites targeted for mobile devices
- Write compelling HTML5, CSS, and JavaScript content for mobile users
- Build cross-platform mobile applications
- Efficiently deliver content over low-bandwidth links
- Enhance the mobile experience with device features and geolocation

Detailed Course Outline

Exploring Web Development in the Mobile World

- Reviewing the architectural tiers of web applications
- Complying with W3C guidelines and best practices
- Examining key mobile web platforms
- Targeting devices with feature detection
- Configuring development and debugging environments

Analysing Requirements for Mobile Website Design

Prioritising mobile design requirements

- Investigating mobile design goals
- Delivering user-context appropriate content

Applying architectural principles and constraints

- Prioritising features with user requirements

- Designing for the mobile interface

- Implementation strategies for new and existing content

Defining Elements of Responsive Web Design (RWD)

Creating proportion with CSS

- Establishing flexible typesetting and forming flexible grids

- Incorporating fluid margins and padding

Developing responsive images

- Building flexible images and media

- Managing complex images

- Applying and establishing media types and media queries

Managing the viewport

- Evaluating the viewport concept

- Measuring the viewport

- Optimising site layout with media queries

Employing jQuery Mobile for Forms and Events

Integrating the popular jQuery mobile library

- Exploring jQuery mobile fundamentals
- Creating jQuery mobile templates and applying themes
- Enhancing jQuery mobile with AJAX navigation
- Exploiting native functionality with jQuery mobile

Exploring HTML5 form elements

- Examining form element types for mobile
- Optimising touch interaction with forms
- Generating advanced forms with HTML5 and jQuery mobile

Handling browser and mobile events

- Interactive modes and events
- Handling events in the mobile environment
- Developing jQuery mobile event handling

Implementing Mobile Frameworks

Presenting PhoneGap concepts

- Creating cross-platform hybrid mobile apps
- Accessing native device capabilities from JavaScript

Viewing device information with PhoneGap

- Leveraging native device API with PhoneGap

- Contacts

- Map

- Phone

- Building hybrid applications with PhoneGap

Leveraging geolocation

- Querying for the device location with GPS

- Integrating with the native map application

Managing local storage

- Persisting data onto the device

- Managing locally stored data

Working offline

- Enabling disconnected web applications

- Synchronising offline data to enterprise databases

Considering Performance and Optimisation

Enhancing site functionality

- Discussing website performance and optimisation

- Reviewing best practices and good design

Employing performance tools

- Optimising applications with YSlow

- Analysing YSlow rules and rulesets

- Implementing best practice rules to optimise mobile applications

- Compressing and optimising CSS and JavaScript

Skills You Will Learn:

- Design and build mobile-first and responsive websites targeted for mobile devices
- Write compelling HTML5, CSS, and JavaScript content for mobile users
- Build cross-platform mobile applications
- Efficiently deliver content over low-bandwidth links
- Enhance the mobile experience with device features and geolocation

Frequently Asked Questions

Q: What delivery options are available for Mobile & Responsive Web Design?

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 3-day Mobile & Responsive Web Design course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Mobile & Responsive Web Design training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Mobile & Responsive Web Design?

Yes, we provide corporate training, dedicated training, and closed classes for Mobile & Responsive Web Design. 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: Mobile & Responsive Web Design, Programming, MRWD

Q: Why choose Nexus Human for Mobile & Responsive Web Design?

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 Mobile & Responsive Web Design training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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