

# Web Design with WordPress & PHP Certificate

Learn front-end and back-end web development, including HTML and CSS, JavaScript/jQuery, PHP, MySQL, and building custom WordPress themes. Develop skills in coding webpages, creating web graphics, and coding HTML emails, while also learning about code management and deploying sites.

Group classes in NYC and onsite training is available for this course. For more information, email [corporate@nobledesktop.com](mailto:corporate@nobledesktop.com) or visit: <https://www.nobledesktop.com/certificates/web-design-wordpress>



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## Course Outline

This package includes these courses

- Web Development with HTML & CSS (18 Hours)
- Sketch Bootcamp (12 Hours)
- Advanced HTML & CSS (18 Hours)
- Flexbox, Grid, & Bootstrap (12 Hours)
- JavaScript for Front-End (18 Hours)
- Front-End Tools & Portfolio (18 Hours)
- Intro to HTML Email (Inactive) (6 Hours)
- PHP & MySQL Bootcamp (18 Hours)
- WordPress for Coders (6 Hours)

## Web Development with HTML & CSS

Learn how to code and style websites from scratch using HTML and CSS. This course covers everything from structuring content and applying styles to making pages responsive and publishing them online.

- Structure webpages with HTML, using semantic elements for better organization and accessibility
- Style content with CSS, including fonts, colors, backgrounds, and spacing for polished designs
- Implement responsive design techniques with media queries and CSS Grid/Flexbox
- Utilize browser developer tools to inspect and refine code in real-time
- Upload and publish websites using FTP for live deployment
- Work on hands-on projects to build a strong foundation in front-end web development

## Sketch Bootcamp

- Create UI (user interface) and UX (user experience) designs for websites and apps
- Build layouts using text, images, layout grids, artboards, pages, and more.
- Make responsive web designs that are optimized for mobile, tablet, and desktop screens.
- Harness the power of symbols to create reusable design elements.
- Optimize graphics for web and app design (create hi-res 2x graphics, SVG, JPEG, and PNG).
- Turn your designs into clickable prototypes that can be shared with others
- Master Sketch's symbols by learning how to override their content and styling to create powerful design systems.
- Update symbols and styles across multiple Sketch files (or computers) using shared Libraries.
- Learn useful plugins that can add amazing new features to Sketch and speed up your work.

## Advanced HTML & CSS

Enhance your CSS skills with advanced styling, layout techniques, and interactive elements. Learn to create visually dynamic webpages using modern CSS methods, including animations, responsive images, and custom properties.

- Master advanced CSS concepts such as positioning, attribute selectors, and relational selectors.
- Use multiple backgrounds, gradients, shadows, and CSS variables for cleaner, scalable styles.
- Implement responsive images, the picture element, and viewport-based units.
- Create off-screen navigation menus and dynamic layouts with Flexbox and CSS Grid.
- Add interactive elements with CSS transitions, transforms, and hover effects.
- Utilize SVG graphics, pseudo-elements, and dark mode styling for modern web design.

## Flexbox, Grid, & Bootstrap

Learn how to use CSS Flexbox and Grid to create responsive webpage layouts that adapt to different screen sizes. This course covers modern layout techniques and introduces Bootstrap for rapid page development.

- Use CSS Flexbox to align and distribute webpage content efficiently.
- Master CSS Grid for advanced layout structures and responsive design.
- Implement Bootstrap's grid system and components for faster development.
- Reorder, size, and align elements dynamically with Flexbox and Grid.
- Create responsive navigation bars, pricing grids, and image galleries.
- Apply best practices for flexible, scalable, and visually appealing web layouts.

## JavaScript for Front-End

Learn how to enhance your webpages with interactive elements and animations using JavaScript and GreenSock (GSAP). This course covers JavaScript fundamentals and dynamic motion design techniques for creating engaging web experiences.

- Write JavaScript code to add interactivity, handle user events, and manipulate webpage elements.
- Use JavaScript libraries to quickly implement common functionalities like slideshows and tabbed panels.
- Animate webpage elements with GreenSock (GSAP), the industry-standard framework for web animation.
- Create smooth scrolling effects, parallax animations, and interactive transitions.
- Apply animations to text, images, and SVG graphics for visually dynamic designs.
- Build a strong foundation in JavaScript and GSAP to create interactive, engaging web projects.

## Front-End Tools & Portfolio

Learn how to turn a webpage design into fully functional code while mastering essential front-end development tools. This course covers Git, GitHub, Emmet, and Visual Studio Code to streamline coding and collaboration.

- Build a coding portfolio by developing a project from scratch with expert guidance.
- Learn Git fundamentals to track code changes, revert versions, and manage repositories.
- Use GitHub for collaboration, including pushing, pulling, cloning, and handling merge conflicts.
- Master Visual Studio Code shortcuts and features to improve workflow and efficiency.
- Utilize Emmet coding shortcuts to speed up HTML and CSS development.
- Gain hands-on experience in real-world coding workflows and best practices.

## Intro to HTML Email (Inactive)

- Learn how to code HTML Email messages that are effective and cross-mail-client compatible.
- Build and work with multiple layouts: a simple one-time email blast and a more complex weekly newsletter.
- Gain a deeper understanding about email-friendly CSS and how to manage various email client issues.

## PHP & MySQL Bootcamp

- Learn how to use PHP to bring websites to life, turning static HTML into a two-way, user-interactive experience.
- An introduction to the basics of PHP and MySQL, the backbone of many web-related activities: handling form submissions, interacting with databases, and more.
- Gain a solid foundation of how PHP works, including working with forms, sessions, and more.
- Learn the basics of MySQL, using SQL to fetch, insert, update, delete, and search records.

## WordPress for Coders

- Learn how a great Content Management System (CMS) will increase efficiency; making maintenance, updating, and adding special functionality easier.
- Learn how to do a custom install of WordPress and edit existing themes.
- Develop your own themes and install plugins.