COURSE SYLLABUS

Front-End Web Development Certificate (Self-Paced)

Get hands-on with front-end web development through HTML, CSS, and JavaScript, and build the skills to create responsive websites that adapt to any screen size. On top of that, learn your way around WordPress, the leading content management system worldwide, to create customizable websites and update content without needing to code.

> Group classes (Live Online) and onsite training are available for this course. For more information, email corporate@nobledesktop.com or visit: https://www.nobledesktop.com/certificates/front-end-web-development-self-paced



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Course Outline

This package includes these courses

- Web Development with HTML & CSS Course Online (Self-Paced) (18 Hours)
- Advanced HTML & CSS (Self-Paced) (18 Hours)
- Flexbox, Grid, & Bootstrap (Self-Paced) (12 Hours)
- JavaScript for Front-End (Self-Paced) (18 Hours)
- Front-End Tools & Portfolio (Self-Paced) (18 Hours)
- WordPress Bootcamp (Self-Paced) (18 Hours)
- HTML Email Bootcamp (Self-Paced) (6 Hours)

Web Development with HTML & CSS Course Online (Self-Paced)

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

Advanced HTML & CSS (Self-Paced)

Strengthen your CSS skills by mastering advanced styling, layout control, and interactive features. Learn to build visually engaging webpages using modern techniques such as animations, responsive images, and custom properties.

- Master advanced CSS concepts, including positioning, complex selectors, absolute and relative sizing units (px, em, rem), and the calc() function
- Create sophisticated visual styles using multiple background images, RGBA transparency, gradients, shadows, and more
- Work with SVG graphics in multiple ways and learn how to style them directly with CSS
- Build responsive images using img srcset and the picture element for optimized performance
- Use CSS variables to write cleaner, more flexible, and maintainable code
- Create mobile-friendly off-screen navigation menus using only CSS
- Add motion and interactivity with CSS transitions and transforms

Flexbox, Grid, & Bootstrap (Self-Paced)

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 (Self-Paced)

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 (Self-Paced)

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

WordPress Bootcamp (Self-Paced)

Learn how to create and manage websites with WordPress, even if you have no prior web design experience. This course walks you through everything from setting up WordPress to customizing themes and building custom templates.

- Install and configure WordPress manually or using a hosting provider's one-click setup
- Create and edit pages and blog posts, including formatting text, images, and links
- Customize themes and adjust layouts to control your site's look and feel
- Install and manage plugins to add features and improve site performance
- Apply SEO best practices, including permalinks and meta descriptions
- Build custom themes and templates using HTML, CSS, and PHP

HTML Email Bootcamp (Self-Paced)

Learn how to code custom-designed emails that adapt to different screen sizes. This course covers responsive layouts, optimizing images, and ensuring compatibility across various email clients.

- Code HTML email layouts using tables and inline CSS for maximum compatibility
- Create responsive emails that adapt to different screen sizes using media queries
- Optimize images for email, including high-resolution graphics and mobile-specific assets
- Build multi-column layouts that adjust for mobile-friendly viewing
- Structure and style footers for consistency and readability across devices
- Test and troubleshoot email designs to ensure proper rendering in different email clients