

Professional WordPress: Design and Development

Course Summary

Description

Professional WordPress is targeted to developers, with advanced content that exploits the full functionality of the most popular CMS in the world. Fully updated to align with WordPress 4.1, this course has updated examples with all new screenshots, and full exploration of additional tasks made possible by the latest tools and features. You will gain insight into real projects that currently use WordPress as an application framework, as well as the basic usage and functionality of the system from a developer's perspective. Key features of this course include detailed information and real-world examples that illustrate the concepts and techniques at work, plus code downloads and examples accessible through the companion website. The content of this course focuses on real world application of WordPress concepts that extend beyond the current WordPress version.

WordPress started in 2003 with a single bit of code to enhance the typography of everyday writing, and has grown to be the largest self-hosted website platform in the world. This class helps you use WordPress efficiently, effectively, and professionally, with new ideas and expert perspectives on full system exploitation.

- Get up to speed on the new features in WordPress 4.1
- Learn cutting edge uses of WordPress, including real-world projects
- Discover how to migrate existing websites to WordPress
- Understand current best practices and tools in WordPress development

WordPress was born out of a desire for an elegant, well-architected personal publishing system built on PHP and MySQL, and has evolved to be used as a full content management system through thousands of plugins, widgets, and themes. Professional WordPress is the essential developer's course to this multifunctional system.

Topics

- First Post
- Code Overview
- Working with Wordpress Locally
- Tour of the Core
- The Loop
- Data Management
- Custom Post Types, Custom Taxonomies, And Metadata
- Plugin Development
- Theme Development
- Multisite
- Migrating to Wordpress
- Crafting a User Experience
- Securing Wordpress
- Application Framework
- Wordpress in the Real World
- Wordpress Developer Community

Audience

This course is designed for developers wanting to learn the most current and proper methods for developing and designing in WordPress.

Prerequisites

There are no prerequisites for this course.

Duration

Three days

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Course Outline

- I. Introduction**
- II. First Post**
 - A. What Is WordPress?
 - B. Popularity of WordPress
 - C. Content and Conversation
 - D. Getting Started
 - E. Finishing Up
 - F. Summary
- III. Code Overview**
 - A. Downloading
 - B. Directory and File Structure
 - C. WordPress Configuration
 - D. wp-content User Playground
 - E. Summary
- IV. Working with Wordpress Locally**
 - A. Benefits of Working Locally
 - B. Tools for Component Administration
 - C. Configuration Details
 - D. Virtual Machines
 - E. Deploying Local Changes
 - F. Summary
- V. Tour of the Core**
 - A. What's in the Core?
 - B. Using the Core as a Reference
 - C. WordPress Codex and Resources
 - D. Don't Hack the Core!
 - E. Summary
- VI. The Loop**
 - A. Understanding the Loop
 - B. Template Tags
 - C. Customizing the Loop
 - D. Global Variables
 - E. Working Outside the Loop
 - F. Summary
- VII. Data Management**
 - A. Database Schema
 - B. Table Details
 - C. WordPress Database Class
 - D. Direct Database Manipulation
 - E. Summary
- VIII. Custom Post Types, Custom Taxonomies, and Metadata**
 - A. Understanding Data in WordPress
 - B. WordPress Taxonomy
 - C. Building Your Own Taxonomies
 - D. Metadata
 - E. Community Projects
 - F. Summary
- IX. Plugin Development**
 - A. Plugin Packaging
 - B. Plugin Security
 - C. Know Your Hooks: Actions and Filters
 - D. Plugin Settings
 - E. WordPress Integration
 - F. Creating a Plugin Example
 - G. Publishing to the Plugin Directory
 - H. Summary
- X. Theme Development**
 - A. Why Use a Theme?
 - B. Installing a Theme
 - C. What Is a Theme?
 - D. CSS
 - E. Creating Your Own Theme
 - F. Creating Your Own Theme: Getting Started
 - G. Creating Your Own Theme: DRY
 - H. Creating Your Own Theme: Content Display
 - I. Creating Your Own Theme: Additional Files
 - J. Custom Page Templates
 - K. Other Theme Enhancements
 - L. Theme Hierarchy and Child Themes
 - M. Premium Themes and Other Theme Frameworks
 - N. Summary
- XI. Multisite**
 - A. What Is Multisite?
 - B. Working in a Network
 - C. Coding for Multisite
 - D. Multisite Database Schema
 - E. Summary
- XII. Migrating to Wordpress**
 - A. Understanding the Process
 - B. Content Identification
 - C. Media Migration
 - D. Moving Metadata
 - E. Moving Authors and Users
 - F. Theme and Presentation
 - G. Unique Functionality
 - H. Cleaning Up
 - I. Launching
 - J. WP-CLI
 - K. Migration Example
 - L. Summary

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Course Outline (cont'd)

XIII. *Crafting a User Experience*

- A. User Experience Principles
- B. Usability and Usability Testing
- C. Structuring Your Information
- D. Getting Your Site Found
- E. How Web Standards Get Your Data Discovered
- F. Searching Your Own Site
- G. Mobile Access and Responsive Web Design
- H. Summary

XIV. *Securing Wordpress*

- A. Securing Your WordPress Site
- B. Using WordPress Roles
- C. Recommended Security Plugins
- D. Summary

XV. *Application Framework*

- A. What Is an Application Framework?
- B. Summary

XVI. *Wordpress in the Real World*

- A. Is WordPress the Right Tool?
- B. When WordPress Is Not the Right Tool
- C. Defining Content Management
- D. Workflow and Delegation
- E. Workflow
- F. Content Organization
- G. Interactivity Features
- H. Scalability
- I. Statistics Counters
- J. Cache Management
- K. Load Balancing Your WordPress Site
- L. Dealing with Spam
- M. Other Content Management Systems
- N. Summary

XVII. *Wordpress Developer Community*

- A. Contributing to WordPress
- B. Sister Projects
- C. Resources
- D. Summary