Fundamentals of Web Development
Syllabus

After completing this course, participants learning outcome:

- Why code is the key to building whatever you can imagine with WordPress

- The ability to write JavaScript to add on-the-fly interactivity to a WordPress site

- The skills, knowledge and vocabulary to work professionally as a WordPress developer

- The ability to write PHP to manipulate the data of a WordPress site

- How to code your own new custom block types for the "Gutenberg" Block Editor

	Module	Takeaways	Key Exercises
Session 1	Welcome!	• Welcome to the Course!	• Class discussion
Session 2	Getting Started	• What is a Dev Environment? (Your First Installation) • If You're Unable to Install Local by Flywheel • About The Recent Big Changes To WordPress • First Taste of PHP	• Assignments 1
Session 3	First Coding Steps: PHP	• A Note About URLs / My Address Bar • Creating a New Theme • PHP Functions • PHP Arrays	• Assignments 2
Session 4	WordPress Specific PHP	• Optional: If You Want To Skip To One of The Final Chapters In The Course… • Convert Static HTML Template into WordPress (Part 1) • Convert Static HTML Template into WordPress (Part 2)	• Assignments 3
Session 5	Pages	• Interior Page Template • Parent & Children Pages • To Echo or Not To Echo • Menu of Child Page Links • A Few Quick Edits / Improvements • Navigation Menus • Navigation Menus (Continued)	• Assignments 4

Session 6	Building the Blog Section	• Blog Listing Page (index.php vs front-page.php) • Blog Continued • Blog Archives (archive.php) • Custom Queries • Blog: Few Quick Edits & Improvements	• Assignments 5
Session 7	Events Post Type	• Displaying Custom Post Types • Quick Timeout: Misc Updates • Custom Fields • A Note About the WordPress Post Edit Screen • Ordering (Sorting) Custom Queries • Manipulating Default URL Based Queries • Past Events Page (Custom Query Pagination)	• Assignments 6
Session 8	Programs Post Type	• Creating Relationships Between Content • Displaying Relationships (Front-End) • Quick Program Edits	• Quiz
Session 9	Professors Post Type	• Quick Note About The Next Lesson • Professors Post Type • Featured Image (Post Thumbnail) • Featured Image Sizes & Cropping • Page Banner Dynamic Background Image	• Class discussion
Session 10	Cleaner Code (Less Duplication)	• Note About PHP Warning In The Next Lesson • Reduce Duplicate Code - Create Our Own Function • Solution To "Undefined array key" Warnings • Quick Fix For Page Banner Function • Using Our "pageBanner" Function • Reduce Duplication - "get_template_part()"	• Certification