

WORDPRESS MODULE OUTLINE - SEPTEMBER 2020

TECHNICAL WEB DESIGNER PROGRAM

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MODULE PURPOSE

Students will learn the fundamentals of dynamic websites and how they are used to create a Content Management System (CMS). To prepare them for careers as front end web developers, students will learn how to work with WordPress, the dominant Content Management System on the web, to build websites. The module will begin with students learning how to create, configure, and migrate WordPress websites. Once students have understood the basic features of WordPress, the module will move on to more advanced topics including the creation of WordPress themes. At the end of the module students will create a development plan for a mock client website to prepare them for their Capstone Project.

MODULE GOALS

After completing this module, the students will be able to:

- Describe the difference between a static website, dynamic website and CMS
- Create, configure, and customize WordPress websites
- Migrate WordPress websites between both local and live servers
- Create WordPress custom themes
- Create Custom Post Types and Custom Taxonomies
- Write WP_Query's to customize content output
- Use the Template Hierarchy chart to create and edit template files
- Build a WordPress development plan from a website requirement list
- Create online stores with WordPress using the WooCommerce plugin

MODULE FORMAT

This 84-hour module is delivered over 14 days and consists of instruction mixed with in-class assignments and supervised lab time. The lab time is to be used to complete the assignments and to explore WordPress.

MODULE RESOURCES

Module materials will be provided in electronic format on the Program FTP server or on the WordPress module website: <https://wp.bcitwebdeveloper.ca/>

Additional resources:

- WordPress Codex website - <https://codex.wordpress.org/>
- WordPress Developer Handbook - <https://developer.wordpress.org/>
- LinkedIn Learning online video tutorials (Links provided on Instructor's slides)

MODULE SCHEDULE

<p>Day 01 -- September 8 Static, Dynamic, CMS Websites Install WordPress on local server Configure, Customize WordPress Adding Content to WordPress</p>	<p>Day 02 -- September 9 Install WordPress on remote server Securing Sites with HTTPS WordPress Migrations Plugins, Themes, Users</p> <p>WordPress Site #1 – Due September 10 (EOD)</p>
<p>Day 03 -- September 10 WordPress Theme Types Template Hierarchy Page Templates Template Parts Intro Featured Images Menus</p>	<p>Day 04 -- September 14 WordPress Loops Template Tags WP_Query Advanced Custom Fields</p>
<p>Day 05 -- September 15 Custom Post Types - Create, Query, Templates Block Editor Templates</p>	<p>Day 06 -- September 21 Custom Taxonomies - Create, Query, Templates Template Parts</p>
<p>Day 07 -- September 22 Hooks: Actions & Filters Enqueue Stylesheets and Scripts Styling in WordPress</p> <p>WordPress Site #2 – Due September 28 (EOD)</p>	<p>Day 08 -- September 23 Starter Theme - Underscores</p> <p>WordPress Site #3 – Due October 5 (EOD)</p>
<p>Day 09 -- September 28 ACF, CPT, & Taxonomy Recap Activities Lab Time for WordPress Site #3</p>	<p>Day 10 -- September 29 Website Development Process Group Lab Time for Development Plans</p> <p>Development Plan – Due September 30</p>
<p>Day 11 -- September 30 Development Plan Meetings Lab Time for WordPress Site #3</p>	<p>Day 12 -- October 5 Intro to E-Commerce WooCommerce Online Store</p>
<p>Day 13 -- October 6 WooCommerce Online Store</p>	<p>Day 14 -- October 7 WooCommerce Online Store</p> <p>WordPress Site #4 – Due October 9 (EOD)</p>

MODULE EVALUATION

Students will be assessed throughout the module through the following assignments:

WordPress Site #1 (<i>Vancouver</i>)	10%
WordPress Site #2 (<i>Mindset</i>)	30%
WordPress Site #3 (<i>School</i>)	40%
WordPress Site #4 (<i>WooCommerce</i>)	10%
Development Plan	10%

MODULE POLICIES

Late Assignment Policy

Assignments are subject to a daily 5% penalty up to a maximum of 30% unless an extension was asked for and granted prior to the due date of the assignment.

Passing Grade

Module passing grade is 50%. Course passing grade is 65%.

Ethics

BCIT assumes that all students attending the Institute will follow a high standard of ethics. Incidents of cheating or plagiarism may, therefore, result in a grade of zero for the assignment, quiz, test, exam, or project for all parties involved and/or expulsion from the course.