

## Course Outline

### WMDD 4840: Content Management Systems

<b>Course Format:</b>	Mixed Mode
<b>Time</b>	Monday 930-1220
<b>Location</b>	B014
<b>Credits: 3</b>	<b>Transfer Credit:</b> For information, visit <a href="http://bctransferguide.ca">bctransferguide.ca</a>
<b>Instructor:</b>	Kevin McMillan
<b>Office Hours</b>	Monday 130-430
<b>Office:</b>	A248
<b>Phone:</b>	604 323 5941
<b>Email:</b>	<a href="mailto:kmcmillan@langara.ca">kmcmillan@langara.ca</a>

### Course Description

Students will build, design, and manage common content management systems, including writing content, customizing themes, installing security patches, updates, modules, and themes.

### Learning Outcomes:

Upon successful completion of this course, students will be able to

- install a Content Management System (CMS) framework on a production web server
- configure a local testing environment with the same CMS
- evaluate, install and configure appropriate CMS themes, modules, widgets, and plugins
- create content, media, menu structures, and content types
- create and restore data and system backups
- identify and implement appropriate security and anti-spam measures (user accounts, permissions, patches, etc.)
- customize themes
- write basic themes

### Textbook and Course Materials:

There is no textbook for this class.

Information will be provided via URLs to LinkedIn Learning and other video sources, as well as to other online sources. These can be found on my teaching site: <http://wrmf.ca>.

### Assessments

Lab/Homework Exercises: 20%

Midterm: 15%

Quizzes: 10%

Main Assignment: 30%

Final Exam: 20%

## Course Schedule:

<b>Week 1</b> Jan 06	<b>Intro to Content Management</b> Local testing environment / Post Editing Environment / Gutenberg Editor Media / Galleries / Posts vs Pages
<b>Week 2</b> Jan 13	<b>Site Configuration 1</b> Menus / Permalinks / Settings / Customizer / Categories vs Tags / Classic / WP CSS
<b>Week 3</b> Jan 20	<b>Site Configuration 2</b> Themes / Plugins / User Roles / Backup & Replication
<b>Week 4</b> Jan 27	<b>Transfer to Live Server / Security</b> Quiz 1
<b>Week 5</b> Feb 03	<b>Midterm</b> Exam will involve setting up a site, configuring themes & plugins, and some CSS.
<b>Week 6</b> Feb 10	<b>Introduction to PHP / WordPress Theme Dev I</b> WP Template Hierarchy / The Loop / Basic Template Tags
<b>Week 7</b> Feb 17	<b>Spring Break</b> no classes
<b>Week 8</b> Feb 24	<b>WP Theme Dev II: Functions.php</b> functions.php: menus / enqueueing scripts & styles / hooks & actions
<b>Week 9</b> Mar 02	<b>WP Theme Dev III: Conditions, SASS / Security II</b> DRY development in WP, common SASS approaches, data sanitization
<b>Week 10</b> Mar 09	<b>WP Theme Dev IV: Multiple Loops</b> Quiz 2, wp_query
<b>Week 11</b> Mar 16	<b>WP Theme Dev V: JavaScript in WP</b>
<b>Week 12</b> Mar 23	<b>WP Theme Dev VI: Custom Post Types / Custom Fields</b>
<b>Week 13</b> Mar 30	<b>Work Day</b> Work on final project

As a student at Langara, you are responsible for familiarizing yourself and complying with the following policies:

**College Policies:**

[E1003 - Student Code of Conduct](#)

[F1004 - Code of Academic Conduct](#)

[E2008 - Academic Standing - Academic Probation and Academic Suspension](#)

[E2006 - Appeal of Final Grade](#)

[F1002 - Concerns about Instruction](#)

[E2011 - Withdrawal from Courses](#)

**Departmental/Course Policies:**

**Attendance:** To do well in this course, you need to attend all classes. If you miss a class, you are responsible for catching up with the material.

**Course Progress:** If you find that you are getting behind with the material, get in touch with me as soon as possible.

**Course Site:** I will use my teaching site (<http://wrmf.ca>) as a repository for handouts and supplemental materials, as well as updates to this outline.

**Deadlines:** Assignments will be accepted at most 24 hours late, with 20% penalty.

**Quizzes:** Unless a medical note is presented, a missed quiz will receive a mark of 0. There is no opportunity for rewrites. If a medical note is presented, the mark will be prorated.

**Questions:** Please bring up general questions about the course material or assignments in class. If you wish to discuss your own work, please see me during my scheduled office hours.

**Class Cancellation:** If I am ill, I will email the class and have the cancellation posted on MyLangara.

**Cheating and Plagiarism:** Cheating on exams or submitting work that you did not **wholly** create is grounds for college disciplinary action.

*This will range from, at minimum, a failing grade on the assignment up to expulsion from the college.*

**Grading:**

These percentages are the metrics I will use for assigning letter grades.

<b>A+</b>	<b>90% – 100%</b>	<b>B+</b>	<b>76 – 79%</b>	<b>C+</b>	<b>64 – 67%</b>	<b>D</b>	<b>50 – 54%</b>
<b>A</b>	<b>85 – 90%</b>	<b>B</b>	<b>72 – 75%</b>	<b>C</b>	<b>60 – 63%</b>	<b>F</b>	<b>&lt; 50%</b>
<b>A-</b>	<b>80 – 84%</b>	<b>B-</b>	<b>68 – 71%</b>	<b>C-</b>	<b>55– 59%</b>		