

Course Outline

WMDD 4840 - M01 – Content Management Systems

Credits: 3

Format: Mixed Mode

Transfer Credit: For information, visit bctransferguide.ca

Instructor: Jacob Tran

Email: jtran@langara.ca

Office: B019j

Office Hours: *see Brightspace Announcements for up-to-date office hours. I may update office hours once during the semester based on student needs.*

Lab Schedule: Saturday, 1:30pm to 3:20pm

Location: B014

Course Description

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

Prerequisites: WMDD 4820 and WMDD 4815

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 & content types
- create and restore data and system backups
- identify and implement appropriate security and anti-spam measures
- customize themes

Textbook and Course Materials:

Required: Earbuds or headphones for watching videos in the Langara computer labs.

Note: This course may use an electronic (online) instructional resource that is located outside of Canada for mandatory graded class work. You may be required to enter personal information, such as your name and email address, to log in to this resource. This means that your personal information could be stored on servers located outside of Canada and may be accessed by U.S. authorities, subject to federal laws. Where possible, you may log in with an email pseudonym if you provide the pseudonym to me so I can identify you when reviewing your class work.

Course Website:

Please check the course Brightspace page regularly for additional information, lessons, updates, notes, assignments, tests, and other materials. For information about Brightspace, please consult:

<https://iweb.langara.ca/lts/brightspace/how-to-use-brightspace/>

Assessments and Weighting:

- Assignments
 - Weekly assignments 24%
 - Weekly online discussion participation 1%
 - Individual term project 25%
- Midterm examination 15%
- Quizzes 10%
- Final examination 25%

Detailed Course Schedule:

The dates and content of this schedule are subject to change. Please check D2L regularly for changes.

Week 1

Introduction to content management systems; setting up a server; installing WordPress; WordPress basics

Week 2

Posts, pages, adding and editing content, permalinks, dashboard

Week 3

Full-site editing, navigation menus

Week 4

Plugins, WooCommerce

Week 5

Deployment, users, security, backups

Week 6

Custom themes: templates, template parts, block grammar

Week 7

Midterm exam

Week 8

Custom themes continued: settings and styles, style variations

Week 9

Custom themes continued: PHP for WP designers; scripts, stylesheets, block patterns

Week 10

WordPress advanced topics: REST API, custom blocks

Week 11

WordPress advanced topics: custom plugins, action hooks

Week 12

WordPress advanced topics: plugin options and settings; filter hooks; project work

Week 13

Project work

Grading:

Letter	Percent%	GPA
A+	95-100	4.33
A	90-94	4.00
A-	85-89	3.67
B+	80-84	3.33
B	75-79	3.00
B-	70-74	2.67
C+	65-69	2.33
C	60-64	2.00
C-	55-59	1.67
D	50-54	1.00
F	0-49	0.00

Final grades are rounded down to the nearest integer percentage.

College Policies:

[E1003 - Student Code of Conduct](#)

[F1004 - Academic Integrity](#)

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

[E2006 - Appeal of Final Grade](#)

[F1002 - Concerns about Instruction](#)

[E2011 - Withdrawal from Courses and Deferred Standing](#)

Departmental/Course Policies:**Cheating and Plagiarism**

Studying similar projects for inspiration and guidance, as well as discussing projects with your peers, is encouraged; however, what you submit must be entirely your own work. You may not use or copy the work of any other source. Please review the college policy F1004, Code of Academic Conduct. One may use code or assets from other sources only with permission from the instructor, and the work must be properly cited and referenced. Please consult your instructor if you have any uncertainty about these policies.

Late Assignments

One day late will result in a penalty of -10%; after the first day, the mark will be recorded as zero. Weekends count as one day.

Minimum Achievement

WMDD program policy does not allow students to advance from one semester to the next after having received a C-, D, F, N, U or W in any WMDD course. A student who receives such a grade must successfully repeat the course before proceeding in the program.

In order to receive a grade of C in the course, students must achieve an average grade of at least 50% in the midterm exam and final exam components of the course.

In order to receive a final grade, students must write and submit the final exam; otherwise, a grade of N will be assigned.

Digital Files

You are required to keep a copy of all files that are submitted as part of the assignments in this class until you receive your final grade. It is your responsibility to maintain backups of your files.

Concerns About Grades and Instruction

At Langara, good grades have to be earned and are assessed on merit. Langara has very strict guidelines and high academic standards, and we do not negotiate grades with students, for any reason. If you do not agree with the final grade that has been assigned by the instructor, please consult the following policy: [E2006 - Appeal of Final Grade](#)

If you have any concerns about the instruction in the class, please contact your instructor directly to discuss the matter with them. If you're not able to resolve the issue by talking to them, please consult the following policy: [F1002 - Concerns about Instruction](#)

Please see Brightspace for additional course policies.