

Course Outline

WMDD 4835 — M01: HTML & CSS II

Fall 2025

Course Format: mixed-mode (online and in person)

Credits: 3

Transfer Credit: For information, visit
bctransferguide.ca

Course Description, Prerequisites, and Corequisites:

Students further develop the skills learned in HTML / CSS 1. They incorporate into their authoring practice current production methods such as JavaScript and programmatic CSS logic. Most importantly, students develop the ability to use emerging methods to create interactive and accessible web pages.

Prerequisites: A minimum "C" grade in WMDD 4815 and 4820.

Learning Outcomes:

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

- develop responsive web pages with optimized media content.
- develop accessible web pages following Web Content Accessibility Guidelines (WCAG).
- create complex interactive web pages using client-side JavaScript.
- organize and simplify complex stylesheets using CSS programmatic methods.
- respond professionally to critiques of their code and designs.
- critique the code and designs of peers.
- use emerging methods of layout and interaction, while ensuring successful fallback for less capable devices and browsers.

Instructor: Jordan Miller

Office: B019j

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ext. 2083 (leave a message)

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Office Hours: see Brightspace announcements

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Textbook and Course Materials:

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 as long as you provide the pseudonym to me so I can identify you when reviewing your class work.

You are free to use your own computer to complete coursework instead of the lab computers on campus. However, you are responsible for maintaining your computer, software, and data; I am NOT able to provide tech support for your personal computer (and neither is our IT department). Extensions and other special exceptions will not be provided for hardware or software malfunctions.

You may be required to subscribe to a paid service for software development resources such as AI-based development environments and API credits. I will try to choose the least expensive services that satisfy our requirements. You are responsible for all charges for your account and subscription, even when they are unexpected or result from accidental overages.

Assessments and Weighting:

- Weekly activities:
 - Weekly assignments: 26%
 - Bi-weekly quizzes: 15%
 - Two Conferences: 4%
- Midterm exam 20%
- Final project 15%
- Final exam 20%

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

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Detailed Course Schedule:

This schedule is approximate; dates and topics may change throughout the semester. Check Brightspace frequently for updates. Due dates of assignments and the exact dates and times of quizzes and exams will be posted on Brightspace.

Week	Topic
1	Review of HTML and CSS
2	Advanced selectors and nesting; position property; variables; advanced at-rules; advanced color functions
3	Advanced responsive design; advanced CSS grid
4	Flexbox; advanced layout
5	AI-based coding tools
6	Responsive images; video and audio
7	Midterm Exam
8	Container queries; custom elements
October 25	Last day (before 2100 hours) to withdraw from regular semester courses.
9	CSS Animation
10	Accessibility; popover, details, and dialog APIs
11	Blend mode; filters; masks
12	Project work
December 3 to 15	Final exam period. Do not schedule anything important during this time until you've received your exam schedule from the college.

Policy

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

College Policies:

- Student Code of Conduct - E1003
- Academic Integrity - F1004
- Academic Standing - Academic Probation and Academic Suspension - E2008
- Appeal of Final Grade - E2006
- Concerns about Instruction - F1002
- Withdrawal from Courses and Deferred Standing - E2011

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Departmental/Course Policies:

Course Format: This is a mixed-mode course, which means part of it is done in person, and part is done online (using D2L Brightspace). You are responsible for checking the Brightspace course page at least once every day for important announcements and updates. *As we only meet for a few hours per week, I strongly recommend attending office hours for help with assignments and projects.*

Attendance: Attendance is required and I will record who is present at each session; however, attendance is NOT graded. If you miss a class, please review the Brightspace support materials and connect with a classmate to review their notes from the lesson. All quizzes and exams must be written in person, in the lab. These will be announced at least a few days in advance.

Conferences: You must meet with me TWICE during labs or my office hours for a brief review of your progress; the first conference can take place any time after the due date of assignment 2 (TBA). When you're ready, please approach me and say "I'd like to do a conference now." (Simply talking to me does not count as a conference.) I'll ask you questions about your work and you can ask for help with anything you want, such as assignments, discussion questions, or reviewing past quizzes/exams. You can only get credit for one conference per week (although you can of course talk to me as much as you want at any time during the semester!)

Online Discussion Posts: each week I'll post a few questions on Brightspace for you to answer according to your own opinions, experiences, or research. You're encouraged to post your answers to help your classmates, but answers are not graded and posting answers is not mandatory. The topics of these questions will be covered on quizzes and exams, so it's recommended that you answer them even though they're not graded. If you're not sure about a question, I encourage you to ask me about it during a lab or office hours. These questions are part of the independent learning requirement for this mixed-mode course.

Late Submissions, Extensions, and Missed Exams: You may hand in any homework assignment up to 24 hours after the due date with a penalty of -10%. After 24 hours, the assigned grade will be 0.

Assignment due date extensions and quiz deferrals **will not be granted for any reason**, but the **two** weekly assignments and quizzes with the lowest grades will be dropped from your final grade, so you can miss two of each; these grades are dropped automatically, you don't need to ask. Grades that have been reduced due to academic misconduct will NOT be dropped.

Unlike missed assignments and quizzes, if you are not able to attend the **midterm exam** due to illness or an unexpected emergency, you must let me know before the exam and have the absence approved first; only the aforementioned reasons will be considered. If approved, your midterm exam grade will instead be calculated as the average of ALL your quiz grades (lowest grades are NOT dropped for this) and your final exam grade. The quizzes and final exam will each be weighted at 50%. If the absence is not approved, you will receive a grade of 0 on the midterm exam.

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- Be aware that if another student somehow obtains your work, even by accident or without your knowledge or permission, you will still be responsible for cheating. Protect your work.
- Do not copy code or other assets from any source without permission from the instructor. If you do use a resource, you must include a reference with a link to the source. Clearly indicate the file names, line numbers, and any other information necessary for me to see where the assets were used; it must be obvious to me which work was created by you and which was borrowed from another source.
- Do not share materials from the course; do not post course materials on the web.
- Do not provide course materials as prompts to generative AI tools such as ChatGPT or AI programming assistants (unless explicitly directed to do so), as that text may be improperly saved, shared, and otherwise improperly used.

If cheating or plagiarism is discovered, I will submit a report to the college and you will receive a grade of 0. All cases will be reported; there are no warnings. (Consider this to be the warning!) Makeup assignments or exams will not be given.

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