

# COURSE SYLLABUS



COURSE TITLE: ICS118 Web Fundamentals  
CLASS SECTION: X01A, X01B  
TERM: Winter 2024  
COURSE CREDITS: 3  
DELIVERY METHOD(S): Face-to-face

Camosun College campuses are located on the traditional territories of the Ləkʷəŋən and W̱SÁNEĆ peoples. We acknowledge their welcome and graciousness to the students who seek knowledge here. Learn more about Camosun's [Territorial Acknowledgement](#).

For COVID-19 information please visit <https://legacy.camosun.ca/covid19/index.html>.

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*Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable explanation in advance, you will be removed from the course and the space offered to the next waitlisted student.*

## INSTRUCTOR DETAILS

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NAME: Brandon Devnich  
EMAIL: [devnichb@camosun.bc.ca](mailto:devnichb@camosun.bc.ca)  
OFFICE: TEC 240  
HOURS: Tuesdays 11:30-12:30pm, Wednesdays 12:30-1:30pm

*As your course instructor, I endeavour to provide an inclusive learning environment. However, if you experience barriers to learning in this course, do not hesitate to discuss them with me. Camosun College is committed to identifying and removing institutional and social barriers that prevent access and impede success.*

## CALENDAR DESCRIPTION

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Students will learn how to create aesthetic, dynamic websites using hypertext markup language (HTML) and cascading stylesheets (CSS) that conform to web standards with a focus on human-computer interaction (HCI), cultural considerations, and accessibility concepts. Students will use standard industry tools to apply the skills learned culminating with the creation of a comprehensive e-Portfolio.

PREREQUISITE(S): One of C in English 12 or C in English 12 Camosun Alternative  
One of: C+ In Pre-calculus 11, C in Math 12, C in Apprenticeship Math 12, C+ in Math 073, C+ in Math 077, C+ in Math 137, C in Math 097, C in Math 139

CO-REQUISITE(S): -

EXCLUSION(S): -

## COURSE LEARNING OUTCOMES / OBJECTIVES

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Upon successful completion of this course a student will be able to:

- Design, implement, test and debug a functional website in a team that incorporates interactive elements and intuitive navigation in order to apply structure and semantic meaning to site content;
- Incorporate principles that affect the human interface, aesthetics, and functionality of web page design;
- Identify patterns and anti-patterns in User Interface (UI) design
- Identify various usability heuristics and how to apply them;
- Develop effective prototypes using an iterative methodology;
- Design and implement an online portfolio that includes artifacts and professional experiences;
- Use written, and electronic communication to convey technical information effectively; and
- Apply accepted standards to ensure security, privacy, and integrity of data while recognizing the ethical, legal, and social implications of online computing.

## REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

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- Materials on the D2L course page: presentation slides for lectures, lab assignment instructions for labs, etc.  
see <https://online.camosun.ca/d2l/home/21349>

## COURSE SCHEDULE, TOPICS, AND ASSOCIATED PREPARATION / ACTIVITY / EVALUATION

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### General Schedule

The course will meet in-person, four times per week over a 14-week semester. Each week will consist of three one-hour lectures and one two-hour lab. Additional time over and above the allotted lab time may be required to complete lab assignments.

Lectures will be delivered in-person at regular times. Recordings of lectures may be made available.

Labs will be assigned and then due before the next scheduled lab block.

Please see lecture and lab schedule at <http://my.camosun.ca> for detailed information about class hours and locations. Please consult the calendar tool in D2L frequently for any updates.

### Topics

Lectures will contain topics that will help you complete the weekly lab. These topics will teach you the basics of web development using HTML & CSS. Please see course schedule and topics table below for more detail.

### Activities

During lectures, you will have the opportunity to participate in in-class code practice. You will receive a bonus participation mark, worth up to 5%, upon completion of the course, based upon the number of in-class examples you participate in. You will submit these up to your allocated course web space.

There will be weekly at-home open-book quizzes to reinforce your comprehension of course material covered during the week. You will have unlimited opportunities to complete each quiz before their weekly due date.

The instructor will be available, in person, during the regularly scheduled lab times. While labs can be done from home, provided you have an internet connection, students who attend lab in-person will receive priority assistance.

You may earn bonus marks by completing your lab assignments early. 10% (of the lab mark, or 4% of the course mark) bonus marks on lab assignments are available if you submit your lab assignment 6 days ahead of the due date. For labs with 1-week duration, this means you would complete it the day the lab is assigned. For multi-week duration assignments, the lab must be submitted by midnight on the Thursday before it is due in order to get the bonus marks.

There will be three term practical tests that will function to assess your understanding of HTML and CSS and the Bootstrap CSS framework.

### **Expected Workload**

For highest results, you should expect to spend, outside of scheduled lecture and lab times, on average an additional 1-2 hours weekly to complete lab assignments, practice examples, review material, and complete quizzes. During the two applied learning assignments (weeks 10-14), you should expect to invest a significant amount more time in order to achieve the highest of marks.

### **Evaluation**

You will be evaluated regularly through the at-home quizzes, completion of the weekly labs, and results of the term tests. Building towards the final exam, you will complete the applied learning assignments which will further give you practice applying the knowledge you acquire through the course. At the end of the course, you will complete a practical exam.

### **Schedule of Sessions and Topics**

The following schedule and course components are subject to change with reasonable advance notice, as deemed appropriate by the instructor.

The content of lectures is organized around:

- Week 1: Introduction to the Internet & HTML [Lab 1]
- Week 2: HTML Basics [Lab 2]
- Week 3: HTML Forms [Lab 3]
- Week 4: HCI [Lab 4]
- Week 5: Introduction to CSS [Lab 5]
- Week 6: Layouts using CSS [Lab 6]
- Week 7: Reading Break [Lab 7 - Optional]
- Week 8: Flexbox and Mobile Nav [Lab 8]
- Week 9: CSS Transitions & Animations [Lab 8]
- Week 10: CSS Variables & Pseudo-Classes [Lab 9]
- Week 11: Grid Layouts & Bootstrap [Lab 9]
- Week 12: Web Performance [Lab 9]
- Week 13: Content Management Systems [Lab 10]
- Week 14: WordPress Project [Lab 10]

There will be a weekly quiz based on the topics covered by the week's lectures.

Topics of the assignments will include:

- Lab 1: Connecting to College Servers
- Lab 2: Basic HTML Web Page
- Lab 3: Basic HTML Web Site
- Lab 4: HTML Forms
- Lab 5: Adobe XD - Wireframing
- Lab 6: Responsive Web Page
- Lab 7: Adobe XD - Prototyping
- Lab 8: Flexbox [2 Weeks]
- **Lab 9: HTML/CSS Portfolio [3 Weeks]**
- **Lab 10: Bootstrap Portfolio [2 Weeks]**

We will conduct three practical term tests in lieu of a single midterm test.

- Term Test 1: HTML (Week 6)
- Term Test 2: CSS (Week 10)
- Term Test 3: Bootstrap (Week 12)

The course will conclude with a Final Practical written exam.

Please see lecture and lab schedule at <http://my.camosun.ca> for detailed information about class hours and locations. Please consult the calendar tool in D2L frequently for any updates.

The schedule to the right and course components

are subject to change with reasonable advance notice, as deemed appropriate by the instructor.

Students registered with the Centre for Accessible Learning (CAL) who complete quizzes, tests, and exams with academic accommodations have booking procedures and deadlines with CAL where advanced noticed is required. Deadlines scan be reviewed on the [CAL exams page](http://camosun.ca/services/accessible-learning/exams.html). <http://camosun.ca/services/accessible-learning/exams.html>

Week	Topics	Quiz	Labs
1	Introduction	Q1: W1 Internet	Lab 01: Connecting to College Servers
2	HTML Basics	Q2: W2 HTML	Lab 02: Basic HTML Web Page
3	HTML Forms	Q3: W3 Forms	Lab 03: Basic HTML Web Site
4	HCI	Q4: W4 HCI	Lab 04: HTML Forms
5	Introduction to CSS	Term Test 1: HTML Q5: W5 CSS 1	Lab 05: Adobe XD – Wireframing
6	Layouts using CSS	Q6: W6 CSS 2	Lab 06: Responsive Web Page
7	Reading Break		Lab 07: Adobe XD – Prototyping
8	Flexbox & Mobile Nav	Q7: W8 CSS 3	Lab 08: Flexbox
9	CSS Transitions & Animations, Variables	Q8: W9 CSS 4	
10	Grids & Introduction to Bootstrap	Term Test 2: CSS Q9: W10 Bootstrap	Lab 09: HTML/CSS Portfolio Website
11	Bootstrap Components	Q10: W11 Bootstrap	
12	Content Management Systems	Q11: W12 CMS Term Test 3: Bootstrap	
13	Web Performance		Lab 10: Bootstrap Portfolio Website
14	Review	Q12: Review	

## EVALUATION OF LEARNING

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DESCRIPTION	WEIGHTING
<b>Quizzes</b> Eleven, at home, open-book quizzes. Unlimited opportunities to complete each quiz.	10%
<b>Guided Assignments Labs 1-8</b> Must achieve minimum average 55%, and complete <b>all</b> assignments.	10%
<b>Applied Learning Assignments Labs 9-10</b> Mandatory 55% completion on <b>each</b> assignment.	30%
<b>Practical Term Tests</b> Three written practical term tests. Must achieve minimum average 55%.	25%
<b>Final Practical Exam</b> Open book, must achieve minimum 55% in order to pass the course.	25%
<b>TOTAL</b>	100%
<b>Lecture Participation</b> Completion of 15 lecture in-class examples.	5% BONUS

If you have a concern about a grade you have received for an evaluation, please come and see me as soon as possible. Refer to the [Grade Review and Appeals](http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf) policy for more information.  
<http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf>

## COURSE GUIDELINES & EXPECTATIONS

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Late assignments and/or labs will not be accepted, except by the instructor's prior written permission or in the presence of a dire and documented short-term medical or family emergency. Student must complete all labs and projects.

Students must achieve each of the following:

- a **minimum** average of **55%** on lab assignments 1-8
- a **minimum** average **55%** on each of lab 9 & 10
- a **minimum** average of **55%** on the final practical exam

to pass the course.

All quizzes are completed at home, are open book, and can be completed as many times as you like.

## SCHOOL OR DEPARTMENTAL INFORMATION

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Supplemental department policies:

Grade review: You have 7 days after marks are posted to review with your instructor.

Academic Integrity Violations:

- 1st violation: **minus the weight of the deliverable and a note on your departmental file.**
- 2nd violation: F in the course
- 3rd violation: Student Conduct Policy E-2.5 is applied

Missed Examinations/Quizzes: If a student misses a quiz, project or an exam, a mark of zero will be assigned unless there are extenuating circumstances. You must provide a note from a medical practitioner (Doctor, Nurse, Psychologist, Counsellor, etc.) In such cases, the proportion of grade assigned to the missed quiz or exam will be added to the proportion assigned to the final exam. The final exam will be held during exam week. NO consideration will be given to any student wishing to write the exam at any other time than that assigned.

Electronic Devices: The school’s policy regarding electronic devices is that any student who has a cell phone or other unauthorized electronic device (ie. ipad, laptop, playbook, etc.) on their person or around their desk during an exam will be guilty of cheating and will a grade of “F” for the course.

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## STUDENT RESPONSIBILITY

Enrolment at Camosun assumes that the student will become a responsible member of the College community. As such, each student will display a positive work ethic, assist in the preservation of College property, and assume responsibility for their education by researching academic requirements and policies; demonstrating courtesy and respect toward others; and respecting expectations concerning attendance, assignments, deadlines, and appointments.

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## SUPPORTS AND SERVICES FOR STUDENTS

Camosun College offers a number of services to help you succeed in and out of the classroom. For a detailed overview of the supports and services visit <http://camosun.ca/students/>.

Support Service	Website
Academic Advising	<a href="http://camosun.ca/advising">http://camosun.ca/advising</a>
Accessible Learning	<a href="http://camosun.ca/accessible-learning">http://camosun.ca/accessible-learning</a>
Counselling	<a href="http://camosun.ca/counselling">http://camosun.ca/counselling</a>
Career Services	<a href="http://camosun.ca/coop">http://camosun.ca/coop</a>
Financial Aid and Awards	<a href="http://camosun.ca/financialaid">http://camosun.ca/financialaid</a>
Help Centres (Math/English/Science)	<a href="http://camosun.ca/help-centres">http://camosun.ca/help-centres</a>
Indigenous Student Support	<a href="http://camosun.ca/indigenous">http://camosun.ca/indigenous</a>
International Student Support	<a href="http://camosun.ca/international/">http://camosun.ca/international/</a>
Learning Skills	<a href="http://camosun.ca/learningskills">http://camosun.ca/learningskills</a>
Library	<a href="http://camosun.ca/services/library/">http://camosun.ca/services/library/</a>
Office of Student Support	<a href="http://camosun.ca/oss">http://camosun.ca/oss</a>

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Support Service	Website
Ombudsperson	<a href="http://camosun.ca/ombuds">http://camosun.ca/ombuds</a>
Registration	<a href="http://camosun.ca/registration">http://camosun.ca/registration</a>
Technology Support	<a href="http://camosun.ca/its">http://camosun.ca/its</a>
Writing Centre	<a href="http://camosun.ca/writing-centre">http://camosun.ca/writing-centre</a>

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If you have a mental health concern, please contact Counselling to arrange an appointment as soon as possible. Counselling sessions are available at both campuses during business hours. If you need urgent support after-hours, please contact the Vancouver Island Crisis Line at 1-888-494-3888 or call 911.

## COLLEGE-WIDE POLICIES, PROCEDURES, REQUIREMENTS, AND STANDARDS

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### Academic Accommodations for Students with Disabilities

The College is committed to providing appropriate and reasonable academic accommodations to students with disabilities (i.e. physical, depression, learning, etc). If you have a disability, the [Centre for Accessible Learning](#) (CAL) can help you document your needs, and where disability-related barriers to access in your courses exist, create an accommodation plan. By making a plan through CAL, you can ensure you have the appropriate academic accommodations you need without disclosing your diagnosis or condition to course instructors. Please visit the CAL website for contacts and to learn how to get started:

<http://camosun.ca/services/accessible-learning/>

### Academic Integrity

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.13.pdf> for policy regarding academic expectations and details for addressing and resolving matters of academic misconduct.

### Academic Progress

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.1.pdf> for further details on how Camosun College monitors students' academic progress and what steps can be taken if a student is at risk of not meeting the College's academic progress standards.

### Course Withdrawals Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.2.pdf> for further details about course withdrawals. For deadline for fees, course drop dates, and tuition refund, please visit <http://camosun.ca/learn/fees/#deadlines>.

### Grading Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf> for further details about grading.

### Grade Review and Appeals

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf> for policy relating to requests for review and appeal of grades.

### Mandatory Attendance for First Class Meeting of Each Course

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable reason in advance, you will be removed from the course and the space offered to the next waitlisted student. For more information, please see the “Attendance” section under “Registration Policies and Procedures” (<http://camosun.ca/learn/calendar/current/procedures.html>) and the Grading Policy at <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf>.

### Medical / Compassionate Withdrawals

Students who are incapacitated and unable to complete or succeed in their studies by virtue of serious and demonstrated exceptional circumstances may be eligible for a medical/compassionate withdrawal. Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.8.pdf> to learn more about the process involved in a medical/compassionate withdrawal.

### Sexual Violence and Misconduct

Camosun is committed to creating a campus culture of safety, respect, and consent. Camosun’s Office of Student Support is responsible for offering support to students impacted by sexual violence. Regardless of when or where the sexual violence or misconduct occurred, students can access support at Camosun. The Office of Student Support will make sure students have a safe and private place to talk and will help them understand what supports are available and their options for next steps. The Office of Student Support respects a student’s right to choose what is right for them. For more information see Camosun’s Sexualized Violence and Misconduct Policy: <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.9.pdf> and [camosun.ca/sexual-violence](http://camosun.ca/sexual-violence). To contact the Office of Student Support: [oss@camosun.ca](mailto:oss@camosun.ca) or by phone: 250-370-3046 or 250-3703841

### Student Misconduct (Non-Academic)

Camosun College is committed to building the academic competency of all students, seeks to empower students to become agents of their own learning, and promotes academic belonging for everyone. Camosun also expects that all students to conduct themselves in a manner that contributes to a positive, supportive, and safe learning environment. Please review Camosun College’s Student Misconduct Policy at <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.5.pdf> to understand the College’s expectations of academic integrity and student behavioural conduct.

**Changes to this Syllabus:** Every effort has been made to ensure that information in this syllabus is accurate at the time of publication. The College reserves the right to change courses if it becomes necessary so that course content remains relevant. In such cases, the instructor will give the students clear and timely notice of the changes.