

# COURSE SYLLABUS



COURSE TITLE: ICS128 Web Scripting  
CLASS SECTION: X01A, X01B  
TERM: Winter 2022  
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: TEC170  
HOURS: Tuesdays 1:30-3:30pm, Thursdays 10:00-11:00am, Fridays 10:00-1:30pm

*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 expand their knowledge in website building by adding dynamic and interactive components. Through applied activities, students will be introduced to how client-side scripts interact with server-side programs and back-end concepts and tools for end-to-end (e.g., full-stack) web development.

PREREQUISITE(S): C in ICS 118  
CO-REQUISITE(S): -  
EXCLUSION(S): -

## COURSE LEARNING OUTCOMES / OBJECTIVES

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For this course, students will analyze, build and test interactive web pages using current browser scripting languages and environments through hands-on projects. You will apply data validation techniques with scripting languages as an introduction to data security.

## 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/le/content/219459/Home>
- We also use the following online resources for reference:
  - <https://www.w3schools.com>
  - <https://developer.mozilla.org/en-US/docs/Web/JavaScript>
- Recommended Textbooks (also relevant for ICS 199):

### **Javascript: Visual Quickstart Guide (9<sup>th</sup> Edition)**

- Dori Smith, Tom Negrino
- ISBN-13 978-0321996701
- ISBN-10: 031996704

### **PHP For the Web (5<sup>th</sup> Edition) – Visual Quickstart Guide**

- Larry Ullman
- ISBN-13: 9780-134-29125-3
- ISBN-10: 0-134-29125-5

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

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The content of lectures is organized around:

- Week 1: Introduction, Logistics, HTML Review, Intro to JS
- Week 2: Quiz. Intro to JS: primitives, variables, objects & arithmetic operators
- Week 3: Conditional Iteration, working with functions
- Week 4: JS Math, dates, error handling, scope, timers, and arrays
- Week 5: Quiz. DOM events, expressions, intro to ES6
- Week 6: Javascript ES6 – template literals, async/await, working with classes, etc
- Week 7: Reading Break
- Week 8: Midterm Week – Javascript ES6, destructuring arrays and objects
- Week 9: jQuery Intro + Events + Effects
- Week 10: Quiz. jQuery – collections (navigating the DOM), properties, attributes & data
- Week 11: jQuery UI Basics, Intro to AJAX, Intro to JSON, Final Project Released
- Week 12: Quiz. Intro to PHP, forms & data types, control structures and arrays
- Week 13: PHP cookies, sessions, connecting to databases
- Week 14: Course Review, Final Project Due

Topics of the labs will include:

- Lab 1: Writing Basic Javascript
- Lab 2: Using Conditional & Iterative Statements
- Lab 3: Using Functions and Error Handling

- Lab 4: Using Arrays and DOMs
- Lab 5: Using Regular Expressions
- Lab 6: Working with Objects
- Lab 7: Build a Quiz
- Lab 8: jQuery UI – Creating a Slider
- Lab 9: AJAX/JSON
- Lab 10: Server-Side Interaction

The course will conclude with a final project.

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

Week	Topics	Labs
1	Course Outline, Introduction, logistics ICS 128 html review intro to JS	No Labs This Week
2	QUIZ! Intro to JS: primitives, variables, objects. Arithmetic operators, typecasting, comparisons, conditionals.	Lab 1 – Setting up your drive, writing basic <u>Javascript</u> to populate a table
3	Conditional Iteration, Working with functions	Lab 2 – Using Conditional & Iterative statements
4	JS Math, dates, error handling, scope, timers and arrays	Lab 3 – Using Functions and Error Handling
5	Quiz! DOM events, expressions, Intro to ES6	Lab 4 – Using Arrays and DOMs
6	JavaScript ES6 - template literals, async/await, working with classes, destructuring arrays and objects	Lab 5 – Using Regular expressions
7	READING BREAK - NO CLASSES	READING BREAK - NO CLASSES
8	Midterm Week JavaScript ES6 - destructuring arrays and objects	Lab 6: Working with Objects
9	jQuery Intro + Events + Effects	
10	Quiz! jQuery - working with collections (navigating the DOM)  jQuery - working with properties and attributes  jQuery - working with data	Lab 7- Build a Quiz
11	jQuery Ui Basics, Intro to AJAX, Intro to JSON Final Project Release	Lab 8- jQuery Ui Creating Slider
12	Quiz! Intro to PHP, forms + Data types, control structures and arrays	Lab 9- Ajax Json
13	Php cookies, sessions, connecting to Databases	Lab 10- Server-Side Interaction
14	Course Review, Final Project Due	

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>

## EVALUATION OF LEARNING

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DESCRIPTION	WEIGHTING
Lab assignments	40%
Quizzes	20%
Midterm Exam	20%
Final project	20%
<p>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 <a href="http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf">Grade Review and Appeals</a> policy for more information.</p> <p><a href="http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf">http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf</a></p>	100%

## 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.

Students must achieve

- a minimum 55% on the final project
- a minimum 60% final grade

to pass the course.

All quizzes are closed book.

## 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 project will be due at the end of last week of lectures. NO consideration will be given to any student wishing to complete project the 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.

## STUDENT RESPONSIBILITY

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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.

## SUPPORTS AND SERVICES FOR STUDENTS

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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>
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>

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Support Service	Website
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.