COURSE SYLLABUS

COURSE TITLE: ICS128 Web Scripting

CLASS SECTION: X02A, X02B

TERM: Summer 2023

COURSE CREDITS: 3

DELIVERY METHOD(S): Face-to-face

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

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

NAME: Jana Behfarshad

EMAIL: behfarshadj@camosun.ca

OFFICE: Wed 1:00 – 2:20 PM

HOURS: Tuesdays 11:00-12:50 PM, Thursdays 8:30-9:50 AM, Labs: Wed 10:00 - 11:50 AM, Wed 2:30 - 4:20 PM

As your course instructor, I endeavor 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

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

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

- 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 (9th Edition)

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

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

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: Review
- 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
- Week 12: Quiz. Final project release
- Week 13: Work on Final Project
- Week 14: Course Review, Final Project Due

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 – Intro to JS – Setting up Environment
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, Dates and Error Handling
5	Quiz! DOM events, expressions, Intro to ES6	Lab 4 – Looping through Arrays && DOM
6	Review content for Midterm exam	Go through some examples for midterm
7	Midterm JavaScript ES6 - template literals, working with classes	Lab 5 –Building a Login w/ Regular expressions
8	JavaScript ES6 - Destructuring arrays and objects Jquery Intro + Events + Effects	Lab 6: ES6 – Building a hotel && Booking System Classes and Objects
9	jQuery - working with collections (navigating the DOM) jQuery - working with properties and attributes jQuery - working with data Jquery Ui Basics	Lab 7- Build a Quiz- jQuery, Timers, Events
10	Quiz! Intro to AJAX, Intro to JSON, Async/Await	Lab 8- Build a Booking Widget
11	Using Fetch, API Call, Parsing Json Data.	Lab 09- Build a Hotel Website using Modules Created
12	Quiz #4 Final Project Release	
13	Work on Final Project	
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

DESCRIPTION	WEIGHTING
Lab assignments	45%
Quizzes	10%
Midterm Exam	20%
Final project	25%
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 policy for more information. http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf	100%

COURSE GUIDELINES & EXPECTATIONS

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

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

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

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	http://camosun.ca/advising
Accessible Learning	http://camosun.ca/accessible-learning
Counselling	http://camosun.ca/counselling
Career Services	http://camosun.ca/coop
Financial Aid and Awards	http://camosun.ca/financialaid
Help Centres (Math/English/Science)	http://camosun.ca/help-centres
Indigenous Student Support	http://camosun.ca/indigenous
International Student Support	http://camosun.ca/international/
Learning Skills	http://camosun.ca/learningskills
Library	http://camosun.ca/services/library/
Office of Student Support	http://camosun.ca/oss
Ombudsperson	http://camosun.ca/ombuds
Registration	http://camosun.ca/registration
Technology Support	http://camosun.ca/its
Support Service	Website

Writing Centre	http://camosun.ca/writing-centre

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

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. To contact the Office of Student Support: 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.

Grading System

The following two grading systems are used at Camosun College:

1. Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2

| 50-59 | D | | 1 |
| 0-49 | F | Minimum level has not been achieved. | 0 |

2. Competency Based Grading System (Non GPA)

This grading system is based on satisfactory acquisition of defined skills or successful completion of the course learning outcomes

Grade	Description
COM	The student has met the goals, criteria, or competencies established for this course, practicum or field placement.
DST	The student has met and exceeded, above and beyond expectation, the goals, criteria, or competencies established for this course, practicum or field placement.
NC	The student has not met the goals, criteria or competencies established for this course, practicum or field placement.

B.   Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy at http://www.camosun.bc.ca/policies/E-1.5.pdf for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	*Incomplete*: A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	*In progress*: A temporary grade assigned for courses that are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course.
CW	*Compulsory Withdrawal*: A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.