CSC130: World Wide Web and Mobile Applications

Course Dates

CRN(s):	Section A01 CRN: 10782
Term:	Fall 2021
Course Start:	2021-09-08
Course End:	2021-12-20
Withdrawal with 100% reduction of tuition fees:	2021-09-21
Withdrawal with 50% reduction of tuition fees:	2021-10-12
Last day for withdrawal (no fees returned):	2021-10-31

Scheduled Meeting Times (M=Mon, T=Tue, W=Wed, R=Thu, F=Fri)

Section:	Location:	Classes Start:	Classes End:	Days of week:	Hours of day:	Instructor:
A01	DTB A110	2021-09-08	2021-12-06	TWF	10:30-11:20	Anthony Estey
B01	ECS 250	2021-09-08	2021-12-20	T	14:30-15:20	
B02	ECS 250	2021-09-08	2021-12-20	W	08:30-09:20	
B03	ECS 250	2021-09-08	2021-12-20	W	09:30-10:20	
B04	ECS 250	2021-09-08	2021-12-20	W	14:30-15:20	
B05	ECS 250	2021-09-08	2021-12-20	F	08:30-09:20	

Instructor(s)

Name: **Anthony Estey**
Office: ECS 464
Phone: (250) 472-5841
Email: aestey at uvic dot ca
Office Hours: **TBD**

Course Overview

An introduction for non-specialists to the Internet, the World-Wide-Web (WWW), and front-end application development. Students will learn how to create dynamic web applications by making numerous web technologies work together. Each lab, homework, and project in the course will consist of building a rich, interactive, dynamic web application, using basic computer science and programming principles.

Topics

- Internet and the WWW
- W3C Standards and HTML5
- CSS
- Javascript
- Web Page Design Tools, Multimedia, Dynamic Web Content
- Web Application Development Tools and Technologies

Course Objectives And Learning Outcomes

Upon successful completion of this course, a student will:

- appreciate the technologies behind the Internet and the World-Wide-Web, and their evolution

- be familiar with the different W3C standards, HTML 5 technologies such as Javascript, Scalable Vector Graphics (SVG), Canvas, Cascading Style Sheets 3, multimedia support, location-based web services
- know how to use Web Application Design Tools
- have a basic understanding of how secure Internet and mobile electronic transactions work
- learn how to create simple Web applications

Textbooks

There is **no** textbook required for this course. All resources required for this course will be posted on the course BrightSpace site at: https://bright.uvic.ca/

Exercises, Projects, And Tests

There will be quizzes given out throughout the semester worth a combined total of 5% of your grade. The purpose of the quizzes is to ensure students are keeping up with each week's material.

Lab exercises will be due at the end of lab time, for a total of 10 individual exercises. Each is worth 1.5% of your grade, for a total of 15%.

There will also be two projects. The idea is that you will be able to use some of your work from your lab exercises in these projects. Each project is about designing a Web application. Each is worth 15% of your grade, for a total of 30%.

There will be two in class midterms. Each is worth 25%, for the remaining 50% of your grade.

Term Schedule

Coursework	Weight (out of 100%)	Probable Dates
Lecture Quizzes	5%	During lectures throughout the term
10 Individual Exercises (1.5% each)	15%	Due end of lab time
2 Projects (15% each)	30%	Oct 5, Nov 26
2 Midterms (25% each)	50%	Oct 12, Dec 3

Note: To receive a passing grade in the course, each student must achieve a final percentage of at least 50%, and also must receive a passing grade on the average of the exams combined. Students who do not achieve at least 50% overall, and students who do not meet the exam average threshold for the exam component will receive a letter grade of F.

Grading System

The University of Victoria follows a percentage grading system in which the instructor will submit grades in percentages. The University will use the following Senate approved standardized grading scale to assign letter grades. Both the percentage mark and the letter grade will be recorded on the academic record and transcripts.

F	D	C	C+	B-	B	B+	A-	A	A+
0-49	50-59	60-64	65-69	70-72	73-76	77-79	80-84	85-89	90-100

Grades	Description
A+, A, A-	**Exceptional, outstanding** or **excellent** performance. Normally achieved by a minority of students. These grades indicate a student who is *self-initiating*, *exceeds expectation* and has an *insightful* grasp of the subject matter.
B+, B, B-	**Very good, good** or **solid** performance. Normally achieved by the largest number of students. These grades indicate a *good* grasp of the subject matter or *excellent grasp in one area balanced with satisfactory grasp in the other areas*.
C+, C	**Satisfactory**, or **minimally satisfactory**. These grades indicate a *satisfactory performance and knowledge* of the subject matter.
D	**Marginal Performance**. A student receiving this grade demonstrated a *superficial grasp* of the subject matter.
F	**Unsatisfactory performance**. Wrote final examination and completed course requirements; no supplemental.

Posting of Grades

Typically marks for assignments, examinations, and provisional final grades, are made available through a Learning Management System (LMS) like Brightspace, where each student will be able to view only their own grades. Sometimes numerical marks/grades may be posted publicly to the entire class. In that case, full student numbers or names will not be included with the posted information.

Course Experience Survey (CES)

I value your feedback on this course. Towards the end of term you will have the opportunity to complete a confidential course experience survey (CES) regarding your learning experience. The survey is vital to providing feedback to me regarding the course and my teaching, as well as to help the department improve the overall program for students in the future. When it is time for you to complete the survey, you will receive an email inviting you to do so. If you do not receive an email invitation, you can go directly to the CES site

You will need to use your UVic NetLink ID to access the survey, which can be done on your laptop, tablet or mobile device. I will remind you closer to the time, but please be thinking about this important activity, especially the following three questions, during the course.

- What strengths did your instructor demonstrate that helped you learn in this course?
- Please provide specific suggestions as to how the instructor could have helped you learn more effectively.
- Please provide specific suggestions as to how this course could be improved.

Csc Student Groups

The Computer Science Course Union (https://onlineacademiccommunity.uvic.ca/cscu/) serves all students who are either in a computer science program or taking a class in computer science. Please sign yourself up on their mailing list if you would like to be informed about their social events and services.

The Engineering Students' Society (ESS) serves all students registered in an Engineering degree program, including Software Engineering (BSEng). For information on ESS activities, events and services navigate to http://www.engr.uvic.ca/~ess .

Course Policies And Guidelines

Late Assignments: No late assignments will be accepted unless prior arrangements have been made with the instructor **at least 48 hours before** the assignment due date.
Coursework Mark Appeals: All marks must be appealed **within 7 days** of the mark being posted.
Attendance: We expect students attend all lectures and labs. It is entirely the students' responsibility to recover any information or announcements presented in lectures from which they were absent.
Electronic devices in labs and lectures: No unauthorized *audio* or *video* recording of lectures is permitted.
Electronic devices in midterms and exams: Calculators are only permitted for examinations and tests if explicitly authorized and the type of calculator permitted may be restricted. No other electronic devices (e.g. cell phones, pagers, PDA, etc.) may be used during examinations or tests *unless explicitly authorized*.
Plagiarism: Submitted work may be checked using plagiarism detection software. Cheating, plagiarism and other forms of academic fraud are taken very seriously by both the University and the Department. You should consult the link given below for the UVic policy on academic integrity. Note that the university policy includes the statement that "A largely or fully plagiarized assignment should result in a grade of F for the course."

The Faculty of Engineering and Computer Science Standards for Professional Behaviour are at
https://www.uvic.ca/engineering/assets/docs/professional-behaviour.pdf
U.Vic guidelines and policy concerning fraud and academic integrity are at
http://web.uvic.ca/calendar/undergrad/info/regulations/academic-integrity.html
U. Vic Privacy Policy: If any student has concerns about their private information being stored or accessed outside of Canada, they are required to inform the course instructor about their concerns before the end of second week of classes.

Equality

This course aims to provide equal opportunities and access for all students to enjoy the benefits and privileges of the class and its curriculum and to meet the syllabus requirements. Reasonable and appropriate accommodation will be made available to students with documented disabilities (physical, mental, learning) in order to give them the opportunity to successfully meet the essential requirements of the course. The accommodation will not alter academic standards or learning outcomes, although the student may be allowed to demonstrate knowledge and skills in a different way. It is not necessary for you to reveal your disability and/or confidential medical information to the course

instructor. If you believe that you may require accommodation, the course instructor can provide you with information about confidential resources on campus that can assist you in arranging for appropriate accommodation. Alternatively, you may want to contact the Centre for Accessible Learning located in the Campus Services Building.

The University of Victoria is committed to promoting, providing, and protecting a positive, and supportive and safe learning and working environment for all its members.

Copyright Statement

All course content and materials are made available by instructors for educational purposes and for the exclusive use of students registered in their class. The material is protected under copyright law, even if not marked with a ©. Any further use or distribution of materials to others requires the written permission of the instructor, except under fair dealing or another exception in the Copyright Act. Violations may result in disciplinary action under the Resolution of Non-Academic Misconduct Allegations policy (AC1300).