

Instructor John Loewen

Office Tech 255

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Schedule John's schedule for Winter Term 2019 - see schedule in D2L

Office Hours 12-1pm Thurs, Fri. Or by Appointment - Just e-mail for an appointment if you need to see me and we can set a time.

Outside Office I do my best to reply to all emails promptly. It is good way to contact me outside of class time and office hours. No guarantees that I will be checking email in the evenings or weekends but I am usually online.

Evaluation 60% Labs (each of equal weight) - not every module has an associated lab assignment
20% Project

20% Quizzes

See college calendar for numeric to letter grade translation.

Note: Your instructor reserves the right to change the evaluation weightings on individual labs without notice.

Goals 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

Objectives

The specific objectives for the course are:

- Short review of HTML, CSS
- Understand how to integrate JavaScript in to HTML and CSS
- Demonstrate an understanding of how to use JSFiddle
- Describe the origins of JavaScript
- Describe what JavaScript can and cannot do.
- Create simple JavaScript code using a text editor
- Write JavaScript code that implements variables
- Demonstrate an understanding of primitives and objects and how to implement them using JavaScript
- Demonstrate an understanding of how to use numbers, strings, booleans and objects and how to implement them in JavaScript.
- Create looping constructs in JavaScript.
- Demonstrate an understanding of typecasting in JavaScript
- Demonstrate an understanding of how scoping works in JavaScript
- Demonstrate an understanding of JavaScript comparison operators and conditional statements
- Demonstrate an understanding of iteration using JavaScript
- Write code that follows best practices by using JavaScript functions
- Demonstrate an understanding of how to use math functions in JavaScript
- Write JavaScript code for error handling including exceptions and the Error object.
- Demonstrate an understanding of the Date function in JavaScript
- Use timers in your JavaScript code
- Demonstrate an understanding of how to use arrays in JavaScript
- Demonstrate how to use regular expressions to describe string patterns in JavaScript
- Describe the history and function of the Document Object Model (DOM)
- Demonstrate an understanding of the DOM architecture
- Write JavaScript code that manipulates HTML content using DOM objects.
- Demonstrate and understanding of how to use DOM Events in JavaScript
- Describe what JQuery is used for and how it relates to JavaScript
- Write JavaScript code using JQuery libraries to generate code more efficiently

Plagiarism

Academic Honesty Policy

All students are expected to adhere to the highest possible ethical standards in all aspects of their work. Each student should be completely responsible for his or her own work.

These guidelines concern the type of fraud where a student presents, as his/her own, the work of another individual, or where a student allows another student to do so.

Students are encouraged to study together, to help each other learn concepts and practical tools. Both the student who helps another and the student who is helped benefit from the process. Working together is formally encouraged in certain courses by having group assignments. You may seek other students' advice in debugging your program code. However, that assistance should be limited to determining what is wrong with your program or work rather than rewriting large sections of it for you.

Unless specifically indicated, all work submitted for grading must be the work of the individual student. Students may collaborate on submitted work only when this is explicitly permitted by the Instructor.

The sharing of lab work electronically or by other means is considered fraud unless specifically approved by the Instructor in advance. This includes obtaining code or other materials by methods such as undeleting files or retrieving discarded printouts. It is at the Instructor's discretion to determine if two assignment or exams are sufficiently similar to be considered shared work.

In the case of fraud, action will be taken commensurate with the severity of the case. Actions taken will be one of: no marks for the piece of work; failure in the course; or, in repeated case, expulsion from the College. In serious cases, the action taken will be determined by the Computer Science Department Student Review committee in consultation with the course Instructor.

There is an appeal procedure outlined in the Camosun College Calendar.

Updates

You are required to check your email and this D2L site on a regular basis for course information notices.

Text

Course notes will be provided in the form of printed Microsoft PowerPoint slides. Students are encouraged to obtain any recent introductory text to JavaScript for course lecture and lab reference.

Labs

- Labs will be delivered primarily through D2L with the grades also posted in D2L.

Grades

- Course marks, provisional final grades and final grades will be posted on D2L.