Computer Studies – Winter 2024

COMP 1073 – CLIENT-SIDE JAVASCRIPT

Class Time and Location

This class is to be delivered in a **hybrid** format – that is that some classes will be conducted on certain weeks *in-person* at the classroom number specified below (Barrie Campus). Some classes will be delivered *remotely* using the Learning Management System (LMS). Please refer to the Schedule of Activities below.

Wednesdays, 9:00am – 11:50am ET in room N104 / remote via Blackboard and MS Teams

Course Description

The use of client-side scripting to implement interactive behaviour within the browser environment is an important part of modern web applications. Standard client-side scripting syntax, operations, conditional statements, loops, functions, methods, and objects are examined. Students learn to manipulate the standard Document Object Model (DOM), by modifying the structure (HTML) and the appearance (CSS) of Web pages and/or interfaces for the purposes of improving the user experience.

Resources

This course will use online educational resources that will be listed in the LMS where appropriate.

Instructor

Scott McCrindle (he/him) | scott.mccrindle@georgiancollege.ca | (249) 388-1654

Office Hours

Times and locations set aside for students are posted in the LMS. Please feel free to arrange to meet with me during these times via the email address listed above.

Expectations for Success

In order to be successful you need to attend class regularly, whether it is offered in class or in a remote learning format. If you fall behind, do your very best to get caught up – break up large tasks into small bite-sized pieces. Ask for help when you need it. Strive to complete all work to the best of your ability within the required time frames. Do the best that you can – nobody can ask anything more of you than that. Finally, try to enjoy the process of learning something new – you'll surprise yourself with what you can accomplish when you set your mind to it. I look forward to working with you this semester.

Evaluation

The table below lists every element of this course that is used to determine how well you have achieved the learning outcomes of the course as listed on the Course Outline, along with approximate due dates, and the associated weight with respect to your final grade.

Assessment Item	Due Date	Weight

Quizzes (12)	(Weekly	10%
Labs (4)	Variable	10%
Assignment 1	Week 5	12.5%
Assignment 2	Week 8	12.5%
Assignment 3	Week 11	12.5%
Assignment 4	Week 14	12.5%
Test 1	Week 7	15%
Test 2	Week 14	15%

Schedule of Activities

The following table is a week-by-week breakdown of the major topic areas that will be explored over the semester, with information about how each week's class will be delivered (online or in-person). Each topic area is also aligned with the Course Learning Outcomes (CLO) contained in the provided Course Outline.

Module	**Topic**	**Delivery Mode**	**Course Learning Outcome (CLO)**
1	JavaScript Introduction	In-person	CLO 1, 2, 3
2	Variables, Operators, and Strings	In-person	CLO 1, 3, 5
3	Arrays	In-person	CLO 1, 3, 5
4	Conditionals and Loops	Online	CLO 1, 3, 5
5	Functions	In-person	CLO 1, 3, 4, 5
6	Events	Online	CLO 1, 3, 4, 5
7	Test 1	In-person	CLO 1, 2, 3, 5
Study Break			
8	Introduction to Objects	In-person	CLO 1, 2, 3, 4, 5
9	Object Prototypes and Classes	Online	CLO 1, 2, 3, 4, 5
10	JavaScript Object Notation (JSON)	In-person	CLO 1, 2, 3, 4, 5
11	Web APIs: Manipulating Documents / Canvas	Online	CLO 1, 2, 3, 4, 5
12	APIs on the Server	In-person	CLO 1, 2, 3, 4, 5, 6
13	Device APIs	Online	CLO 1, 2, 3, 4, 5
14	Test 2	In-person	CLO 1, 2, 3, 4, 5, 6

Academic Integrity

Academic misconduct is taken very seriously at Georgian College. Each student will be required to complete a course called the "Academic Integrity Module (AIM)" which is designed to help students learn what academic integrity means, and the procedures and penalties applied for instances of

academic misconduct. Georgian College's Academic Regulations include a section dedicated to Academic Integrity, which all students are encouraged to read.

Plagiarism and Computer Code

The purpose of writing code in this course is to demonstrate that you have *independently* written and understand the code and have the ability to independently solve a given problem with software. Therefore, you must be the *sole author of any code you write*. Authorship means that you *independently* developed the solution framework, designed the code and authored the code. Simply typing the code based upon coaching from a third party does not mean you authored the code. Writing the code with help from another person or the Internet does not mean you have authored the code. While you may seek help to understand a concept in its general application, you must then independently transfer that general knowledge to the specific problem you are trying to solve. As such, *copying a code solution or a portion of a solution, of any size, directly from a third-party source is a form of plagiarism, and will be subject to the college's process for addressing a suspected instance of academic misconduct*.

Late Submission Policy

Submission of work past the posted due date will be subjected to a 10% per day late penalty. Only documented medical or family emergencies will quality for appropriate, fair, and reasonable extensions to posted due dates for work.

Missed Tests or Exams

All tests or exams will be conducted in-person at a scheduled time and date. Please make every effort to attend class at these times. If you know that you are unable to attend a test or exam, please notify the professor well in advance of the scheduled date so that alternate arrangements can be made. As with late submissions of other work in the course, only documented medical or family emergencies will quality for alternative test or exam dates.

Changes to Syllabus

The sequence and content of this syllabus may change due to unanticipated opportunities or challenges, or to accommodate the learning needs of the students. Personal images, images of your projects and images of events may be taken throughout the semester. If you do not want your work/image used for College and Program promotional purposes, please fill out and submit a Disclaimer Form (ask your instructor) to your Program Coordinator.