

Course Outline

Course Title	Client Side Programming
Course Code	PROG 2700
Hours	90
Credits	6
Prerequisites	WEBD 1000, PROG 1101 or PROG 1102 or PROG 1700

Co-Requisites

Conditions

Course Description

This course builds on the concepts covered in Introduction to HTML by adding functionality to static web pages through client side programming and CSS pre-processors / libraries. A heavy focus is placed on developing without the use of large JS frameworks/libraries. Foundational data sending and retrieval will also be explored using JSON data formats.

Rationale

Modern web applications are no longer implemented with one technology, but instead integrate a stack of technologies on both the client and server side to provide rich experiences for the end user. This course provides the foundational concepts required for the client side development of web apps.

Learning Outcomes

Students are required to successfully complete each course outcome. In keeping with NSCC's approach to portfolio learning, students will have demonstrated the ability to:

1. Demonstrate a proficient understanding of the JavaScript programming language in order to develop client-side web apps without the use of frameworks / libraries.
2. Demonstrate proficiency in DOM manipulation to the development of client side applications to meet project requirements.
3. Develop client side applications that retrieve and send data to a web API through a variety of different data exchange formats.
4. Apply third party JS Libraries to the development of client side applications in order to streamline syntax and process.
5. Apply CSS libraries / pre-processors to enhance the visual interface and usability of client side applications.

Grading

The pass for this course is 60%

Required Supplies

See instructor for details.

Other Learning Resources

See your Instructor for details.

Other Information

Not Applicable

Other Course Notes

It is the responsibility of the student to review and understand all Nova Scotia Community College policies, most specifically the Student Community Standards, Academic Integrity, Student Appeals, Use of Copyright Materials, and Academic Accommodation policies. Policies directly applicable to students are referenced in the student handbook. The policies and procedures can be found on the College website: [Policies & procedures \(https://nscC.ca/policies/\)](https://nscC.ca/policies/)

If you have questions about policies and/or procedures, you are encouraged to ask Faculty, your Academic Chair or Staff at Student Services.

Workplan

A workplan for this course is attached and will be reviewed by your faculty member(s) within the first week of class study.