



## WEB222 - Web Programming Principles

Winter - 2023

### Subject Title

Web Programming Principles

### Subject Description

This is an introductory course in web programming using JavaScript, CSS (cascading style sheets), HTML and the DOM (document object model) interface.

### Credit Status

1 credit (3 units)

Required for CPA - Computer Programming and Analysis (Ontario College Advanced Diploma)

Required for CPD - Computer Programmer (Ontario College Diploma)

### Learning Outcomes

Upon successful completion of this subject the student will be able to:

1. Explain the purpose of the World Wide Web, and the HTTP protocol.
2. Develop web client applications that conform to current standards and best practices.
3. Demonstrate competence with a document object model to present content for end-user consumption and/or interaction.
4. Utilize JavaScript to implement interactivity in a web client application.
5. Compose documents for the web using the hypertext mark-up language.
6. Employ cascading style sheets to control the appearance of web documents.
7. Solve a wide range of common web client programming problems.

### Academic Integrity

Seneca upholds a learning community that values academic integrity, honesty, fairness, trust, respect, responsibility and courage. These values enhance Seneca's commitment to deliver high-quality education and teaching excellence, while supporting a positive learning environment. Ensure that you are aware of Seneca's Academic Integrity Policy which can be found at: <http://www.senecacollege.ca/about/policies/academic-integrity-policy.html> Review section 2 of the policy for details regarding approaches to supporting integrity. Section 2.3 and Appendix B of the policy describe various sanctions that can be applied, if there is suspected academic misconduct (e.g., contract cheating, cheating, falsification, impersonation or plagiarism).

Please visit the Academic Integrity website <http://open2.senecac.on.ca/sites/academic-integrity/for-students> to understand and learn more about how to prepare and submit work so that it supports academic integrity, and to avoid academic misconduct.

**Discrimination/Harassment**

All students and employees have the right to study and work in an environment that is free from discrimination and/or harassment. Language or activities that defeat this objective violate the College Policy on Discrimination/Harassment and shall not be tolerated. Information and assistance are available from the Student Conduct Office at [student.conduct@senecacollege.ca](mailto:student.conduct@senecacollege.ca).

**Accommodation for Students with Disabilities**

The College will provide reasonable accommodation to students with disabilities in order to promote academic success. If you require accommodation, contact the Counselling and Accessibility Services Office at ext. 22900 to initiate the process for documenting, assessing and implementing your individual accommodation needs.

**Camera Use and Recordings - Synchronous (Live) Classes**

Synchronous (live) classes may be delivered in person, in a [Flexible Learning space](#), or online through a Seneca web conferencing platform such as MS Teams or Zoom. Flexible Learning spaces are equipped with cameras, microphones, monitors and speakers that capture and stream instructor and student interactions, providing an in-person experience for students choosing to study online.

Students joining a live class online may be required to have a working camera in order to participate, or for certain activities (e.g. group work, assessments), and high-speed broadband access (e.g. Cable, DSL) is highly recommended. In the event students encounter circumstances that impact their ability to join the platform with their camera on, they should reach out to the professor to discuss. Live classes may be recorded and made available to students to support access to course content and promote student learning and success.

By attending live classes, students are consenting to the collection and use of their personal information for the purposes of administering the class and associated coursework. To learn more about Seneca's privacy practices, visit [Privacy Notice](#).

Last revision date: Sep 26, 2022 12:35:52 AM

Last review date: Oct 3, 2022 12:15:05 AM

---

Seneca College of Applied Arts and Technology