

# Course Addendum

Semester**: 2207 Fall 2022** Subject Code: WEB222Section**: NEE**

Subject Title: Web Programming Principles

Professor: Mohammad Shamas

E-mail: **Mohammad.shamas@senecacollege.ca**

Office Hours**: - During in person Lab Period**

* **Wednesdays 12 pm to 1 pm By appointment only (email before at least 24 hr)**

Approved by:

Kathy Dumanski, Chair, School of Software Design and Data Science

Please read this addendum to the general course outline carefully. It is your guide to the course requirements and activities.

Please refer to the course outline for learning outcomes, course description and text and materials.

Please also visit [sdds.senecacollege.ca](https://seneca-my.sharepoint.com/personal/laura_ojanen_senecacollege_ca/Documents/Course%20Materials/ict.senecacollege.ca) for key information on courses, graduation requirements, transfer credit, and more from the School of Software Design and Data Science.

**Assessment Summary**

* Assignments (5 @ 6% each) - 30%
* Short Tests/ Quizzes (9 @ 5.56% each) - 50%:
* Final Assessment - 20%

## Course Policies

* Achieve a grade of 50% or better on the Final Assessment
* Complete all assignments in a satisfactory manner
* Achieve a weighted average of 50% or better for the tests and Final Assessment
* Achieve a grade of 50% or better on the overall course
* Grading Policy: <http://www.senecacollege.ca/about/policies/grading-policy.html>)

**Academic Policies:**

<http://www.senecacollege.ca/about/policies/academics-and-student-services.html>

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**WEEKLY SCHEDULE**

**Semester – Fall 2022**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Week** | **Topic or Skill** | **Reading** | **Assessment** | **Weight** |
| **Week 1** | **Course Introduction**  **Introduction to Dev tools**  **Introduction to JavaScript** | **Week 1 materials from web222.ca and Blackboard** | **NA (diagnostic)** |  |
| **Week 2** | **JavaScript Functions, Built-in / Global Functions, Variable Scope & Closures** | **Week 2 materials from web222.ca, Blackboard** | **Assignment 1 Released** | **6%** |
| **Week 3** | **Built-In Objects:**  **String, Array, Regex** | **Week 3 materials from web222.ca, Blackboard** | **Test 1** | **5.56%** |
| **Week 4** | **More Built-In Objects: Date, Math, User-Defined Objects, Prototypal Inheritance** | **Week 4 materials from web222.ca, Blackboard** | **Test 2,**  **Assignment 1 due, Assignment 2 Released** | **5.56%**  **6%**  **6%** |
| **Week 5** | **What is HTML? / Document structure & overview, HTML5 Structural Elements, Important HTML elements and using them, Using JavaScript in a HTML Page** | **Week 5 materials from web222.ca, Blackboard** | **Test 3** | **5.56%** |
| **Week 6** | **More on HTML & DOM (lists, tables), Image elements & figure elements, Multimedia - audio and video** | **Week 6 materials from web222.ca, Blackboard** | **Assignment 2 due, Assignment 3 Released,**  **Test 4** | **6%**  **6%**  **5.56%** |
| **Week 7** | **Document Object Model (DOM), DOM Tree, Node Explained, Creating & Selecting Nodes (elements) / Modifying the DOM Tree, DOM Events** | **Week 7 materials from web222.ca, Blackboard** | **Test 5** | **5.56%** |
| **STUDY WEEK** | | | | |
| **Week 8** | **Introduction to CSS (Syntax / Structure, Selectors, Web Colors, Units), CSS Properties / Values (Fonts, Text Effects, Lists, Tables, Links), Updating CSS using the DOM** | **Week 8 materials from web222.ca, Blackboard** | **Assignment 3 due,**  **Assignment 4 released,**  **Test 6** | **6%**  **6%**  **5.56%** |
| **Week 9** | **CSS Box model, CSS3 backgrounds & shadow effects, Display / Positioning with CSS, HTML 5 Structural Elements, Navigation / Menus** | **Week 9 materials from web222.ca, Blackboard** | **Test 7** | **5.56%** |
| **Week 10** | **Introduction to Forms (<form> element), Form Elements, New HTML 5 <input> element types, Labels & Grouping Fields, Styling HTML Forms Using CSS** | **Week 10 materials from web222.ca, Blackboard** | **Assignment 4 due,**  **Assignment 5 released,**  **Test 8** | **6%**  **6%**  **5.56%** |
| **Week 11** | **Introduction to Client-side validation (Using HTML5 Features, Using JavaScript for text fields), Validating Other Element Types (textarea, radio buttons, checkbox, select, DOM usage)** | **Week 11 materials from web222.ca, Blackboard** | **Test 9** | **5.56%** |
| **Week 12** | **Introduction to AJAX and JSON, dynamically updating the DOM** | **Week 12 materials from web222.ca, Blackboard** | **Assignment 5 due** | **6%** |
| **Week 13** | **Final Assessment** | **Weekly materials from web222.ca** | **Final Assessment Due** | **20%** |

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