

Course Addendum

Semester: **Winter 2022** Subject Code: WEB222 Section: **ZAA**
Subject Title: Web Programming Principles
Professor: Shi, Yue (Sunny)
E-mail: sunny.shi@senecacollege.ca Ext.
Office Hours: **Tuesday 11:40am- 12:30pm & by appointment**

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 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

To obtain a credit in this subject, a student must:

- Achieve a grade of 50% or better on the weighted average of the tests and final assessment.
- 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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TENTATIVE WEEKLY SCHEDULE

Semester – Winter 2022

Week	Topic or Skill	Reading	Assessment	Weight
Week 1 January 10-14	<ul style="list-style-type: none"> • Course Introduction • Internet architecture • Introduction to JavaScript 	Week 1 materials of: <ul style="list-style-type: none"> • Pre-recorded video lectures, • Web222.ca, • Lecture Notes (PPT) 	N/A	NA
Week 2 January 17-21	<ul style="list-style-type: none"> • JavaScript Functions • Built-in / Global Functions • Variable Scope & Closures 	Week 2 materials of: <ul style="list-style-type: none"> • Pre-recorded video lectures, • Web222.ca, • Lecture Notes (PPT) • Example code 	Assignment 1 Released	6%
Week 3 January 24-28	<ul style="list-style-type: none"> • Introduction to Objects, Built-In Objects: String, Array, RegExp 	Week 3 materials of: <ul style="list-style-type: none"> • Pre-recorded video lectures, • Web222.ca, • Lecture Notes (PPT) • Example code 	Test 1	5.56%
Week 4 January 31 - February 4	<ul style="list-style-type: none"> • More Built-In Objects: Date, Math • User-Defined Objects • Prototypal Inheritance 	Week 4 materials of: <ul style="list-style-type: none"> • Pre-recorded video lectures, • Web222.ca, • Lecture Notes (PPT) • Example code 	Test 2, Assignment 1 due, Assignment 2 Released	5.56% 6%
Week 5 February 7-11	<ul style="list-style-type: none"> • Introduction to HTML5 • Document structure • HTML5 Elements 	Week 5 materials of: <ul style="list-style-type: none"> • Pre-recorded video lectures, • Web222.ca, • Lecture Notes (PPT) • Example code 	Test 3	5.56%
Week 6 February 14-18	<ul style="list-style-type: none"> • More HTML Elements, tables, media (images, audio, video) 	Week 6 materials of: <ul style="list-style-type: none"> • Pre-recorded video lectures, • Web222.ca, • Lecture Notes (PPT) • Example code 	Assignment 2 due, Assignment 3 Released, Test 4	6% 5.56%

Week 7 February 21-25	<ul style="list-style-type: none"> Document Object Model (DOM) DOM Tree, Nodes, DOM Events 	Week 7 materials of: <ul style="list-style-type: none"> Pre-recorded video lectures, Web222.ca, Lecture Notes (PPT) Example code 	Test 5	5.56%
Study Week February 28 - March 4				
Week 8 March 7-11	<ul style="list-style-type: none"> Introduction to CSS (Syntax / Structure, Selectors, Web Colors, Units) CSS Properties / Values (Fonts, Text Effects, Lists, Tables, Links) 	Week 8 materials of: <ul style="list-style-type: none"> Pre-recorded video lectures, Web222.ca, Lecture Notes (PPT) Example code 	Assignment 3 due, Assignment 4 released, Test 6	6% 5.56%
Week 9 March 14-18	<ul style="list-style-type: none"> CSS Box model Display / Positioning with CSS Layout, HTML 5 Structural Element, Navigation / Menus 	Week 9 materials of: <ul style="list-style-type: none"> Pre-recorded video lectures, Web222.ca, Lecture Notes (PPT) Example code 	Test 7	5.56%
Week 10 March 21-25	<ul style="list-style-type: none"> HTML5 Forms Form Elements New HTML 5 <input> element types Styling HTML Forms Using CSS 	Week 10 materials of: <ul style="list-style-type: none"> Pre-recorded video lectures, Web222.ca, Lecture Notes (PPT) Example code 	Assignment 4 due, Assignment 5 released, Test 8	6% 5.56%
Week 11 March 28 – April 1	Client-side validation (Using HTML5 Features & JavaScript)	Week 11 materials of: <ul style="list-style-type: none"> Pre-recorded video lectures, Web222.ca, Lecture Notes (PPT) Example code 	Test 9	5.56%
Week 12 April 4-8	Introduction to AJAX & JSON	Week 12 materials of: <ul style="list-style-type: none"> Web222.ca, Lecture Notes (PPT) Example code 	Assignment 5 due	

Week 13 April 11-15	Course review & Student help	Q & A		
Week 14 April 18-22	Final Assessment		Final Assessment	20%

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