

# Course Addendum

Semester**: Winter 2022** Subject Code: **SEP200** Section**:**

Subject Title: **Object Oriented Programming**

Professor: Miguel WatlerOffice**:**

E-mail: miguel.watler@senecacollege.caExt**.**

Office Hours**:**

(Hours when your professors is available)

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**

Workshops - 20%

Assignments - 30%

Quizzes - 10% (1 bonus quiz)

Test - 20%

Final Exam - 20%

## Course Policies

Achieve a grade of 50% or better on the final exam

Satisfactorily complete all assignments (they have to be working)

Achieve a weighted average of 50% or better for the midterm and final exam

Achieve a grade of 50% or better on the overall course (midterm, final, quizzes, Workshops and assignments)

**Academic Policies:**

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

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**TENTATIVE WEEKLY SCHEDULE**

**Semester Year**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Week** | **Topic or Skill** | **Reading** | **Assessment** | **Weight** |
| **Week 1** | **Object Terminology,**  **Pre-Processor (during lab)** |  |  |  |
| **Week 2** | **Operator Overloading** |  | **1 pre-lecture quiz,**  **Workshop 1 (due end of week 3)** | **1% Quiz** |
| **Week 3** | **Copy Constructor, Assignment/ Move Assignment** |  | **1 pre-lecture quiz,**  **Workshop 2 (due end of week 4)** | **1% Quiz**  **2% Workshop** |
| **Week 4** | **Polymorphism: Derived Classes, Functions in a Hierarchy** |  | **1 pre-lecture quiz,**  **Workshop 3 (due end of week 5)** | **1% Quiz**  **2% Workshop 2** |
| **Week 5** | **Polymorphism: Virtual Functions, Abstract Base Classes** |  | **1 pre-lecture quiz,**  **Workshop 4 (due end of week 6)** | **1% Quiz**  **2% Workshop 3** |
| **Week 6** | **Function and Class Templates, Design** |  | **1 pre-lecture quiz,**  **Workshop 5 (due end of week 7)** | **1% Quiz**  **2% Workshop 4** |
| **Week 7** | **Review,**  **MidTerm** |  |  | **2% Workshop 5**  **20% midterm** |
|  |  | **Study Week** |  |  |
| **Week 8** | **Static functions and variables, Polymorphic objects, Composition** |  | **1 pre-lecture quiz,**  **Workshop 6 (due end of week 9),**  **Assignment 1 (due end of week 10)** | **1% Quiz** |
| **Week 9** | **Standard Template Library: Containers and Iterators** |  | **1 pre-lecture quiz,**  **Workshop 7 (due end of week 10)** | **1% Quiz**  **2% Workshop 6** |
| **Week 10** | **Function pointers, Pointers to arrays, Lambda expressions, Error handling.**  **Linked Lists (during the lab, for assign 2)** |  | **1 pre-lecture quiz,**  **Workshop 8 (due end of week 11)** | **1% Quiz**  **2% Workshop 7**  **15% assign 1** |
| **Week 11** | **Standard Template Library: Algorithms, Design.** |  | **1 pre-lecture quiz,**  **Workshop 9 (due end of week 12),**  **Assignment 2 (due end of week 13)** | **1% Quiz**  **2% Workshop 8** |
| **Week 12** | **Smart Pointers, Multiple Inheritance, Bitwise Expressions** |  | **1 pre-lecture quiz,**  **Workshop 10 (due end of week 13)** | **1% Quiz**  **2% Workshop 9** |
| **Week 13** | **Threads, C++ Language Standards** |  | **1 pre-lecture quiz** | **1% Quiz**  **2% Workshop**  **15% assign 2** |
| **Week 14** | **Review,**  **Final Exam** |  |  | **20% final** |

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