

# Course Addendum

Semester**: Fall 2021** Subject Code: **SEP101** Section**:**

Subject Title: **Programming Fundamentals**

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** | **Introduction,**  **Compilation** | **The Introduction of The C Programming Language** |  |  |
| **Week 2** | **Types,**  **Computations,**  **Expressions,**  **Logic** | **Chapter 2 of The C Programming Language** | **1 pre-lecture quiz,**  **Workshop 1 (due end of week 3)** | **1% Quiz** |
| **Week 3** | **Loops,**  **Arrays,**  **Coding Style** | **Chapter 3 of The C Programming Language** | **1 pre-lecture quiz,**  **Workshop 2 (due end of week 4)** | **1% Quiz**  **2% Workshop 1** |
| **Week 4** | **Structures,**  **Testing and Debugging** | **Chapter 6 of The C Programming Language** | **1 pre-lecture quiz,**  **Workshop 3 (due end of week 5)** | **1% Quiz**  **2% Workshop 2** |
| **Week 5** | **Functions,**  **Pointers** | **Chapters 4 and 5 of The C Programming Language** | **1 pre-lecture quiz,**  **Workshop 4 (due end of week 6)** | **1% Quiz**  **2% Workshop 3** |
| **Week 6** | **Design** | **The Full Product Life Cycle,**  **Software Design Basics** | **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** | **Functions, Arrays and Structures,**  **Secondary Storage** | **Chapters 5, 6 and 7 of The C Programming Language** | **1 pre-lecture quiz,**  **Workshop 6 (due end of week 9),**  **Assignment 1 (due end of week 10)** | **1% Quiz** |
| **Week 9** | **Classes,**  **Namespaces,**  **Design** | **Chapter 1 of C++ Primer** | **1 pre-lecture quiz,**  **Workshop 7 (due end of week 10)** | **1% Quiz**  **2% Workshop 6** |
| **Week 10** | **Construction/ Destruction,**  **Function Overloading,**  **References** | **Chapters 6 and 7 of C++ Primer** | **1 pre-lecture quiz,**  **Workshop 8 (due end of week 11)** | **1% Quiz**  **2% Workshop 7**  **15% assign 1** |
| **Week 11** | **The Current Object,**  **Dynamic Memory,**  **Design** | **Chapters 7 and 12 of C++ Primer** | **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** | **Input/Output Refinements,**  **Secondary Storage** | **Chapter 8 of C++ Primer** | **1 pre-lecture quiz,**  **Workshop 10 (due end of week 13)** | **1% Quiz**  **2% Workshop 9** |
| **Week 13** | **Language Standards,**  **Design** | **The Preface and New Features of C++11 in C++ Primer** | **1 pre-lecture quiz** | **1% Quiz**  **2% Workshop 10**  **15% assign 2** |
| **Week 14** | **Review,**  **Final Exam** |  |  | **20% final** |

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