

# Course Addendum

Semester**: Winter 2021** Subject Code: IPC144Section**: NGG,NHH,NNN**

Subject Title: Introduction to Programming using C

Professor: John SelmysOffice**: On-Line**

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Office Hours**:**

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 (6) - 20% - each: 10% Part 1 (in lab), 40% part 2 (at home) & 50% reflection
* Assignments (minimum 2)- 25%: (A1 10%, A2 15%)
* Required readings, Quizzes and Exercises (min 15) - 25%:
  + Weekly required reading assessments and quizzes - 10%, best 8/10
  + Weekly walk/logic exercises - 15%, best 12/14)
* Test - 15%
* Final Assessment - 15%

## Course Policies

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

* Achieve a grade of 50% or better on the final assessment
* Satisfactorily complete assignment 2
* 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

**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**  **January 11- 15** | **Introduction to Using Vs2019, and transfer of files to matrix** | **Types, Calculations, Expressions for next week** | * **Bonus Quiz** | * **1%** |
| **Week 2**  **January 18 -22** | **Types, Calculations, Expressions** | **Logic, Style, Testing and Debugging for next week** | * **Weekly Readings– Types, calculations and expressions** * **Workshop 1 - Output** * **Weekly Exercise** | * **1.4%** * **1%** * **3%** |
| **Week 3**  **January 25 -29** | **Logic, Style, Testing and Debugging** | **Arrays, Parallel Arrays** | * **Weekly Readings -Logic** * **Workshop 2 – Types, calculations & expressions** * **Correct the Mistakes Exercise** | * **1.4%** * **2%** * **3%** |
| **Week 4**  **February 1 – 5** | **Arrays, Parallel Arrays** | **Structures** | * **Weekly Readings - Arrays, Parallel Arrays** * **Workshop 3 - Logic** * **Walkthrough Exercise** | * **1.4%** * **3%** * **3%** |
| **Week 5**  **February 8 -12** | **Structures** | **Functions, Pointers** | * **Weekly Readings - Structures** * **Workshop 4 – Parallel arrays** * **Correct the Mistakes Exercise** | * **1.4%** * **4%** * **3%** |
| **Week 6**  **February 15 - 19** | **Functions, Pointers** | **Functions, Arrays and Structs** | * **Weekly Readings - Functions, Pointers** * **Workshop 5 - Structures** * **Walkthrough Exercise** | * **1.4%** * **4%** * **3%** |
| **Week 7**  **February 22 - 26** | **Functions, Arrays and Structs**  **Review** | **Functions, Arrays and Structs, and Character Strings** | * **Weekly Readings – Functions, Arrays and Structs** * **Midterm \*** * **Assignment 1 – MS1 & 2 Due Mar. 12, MS3 & 4 Due Mar. 19** * **Assign Workshop 6 – Functions and Pointers Due March 8** | * **1.4%** * **15%** * **10%** |
|  |  | **Study Week** |  |  |
| **Week 8**  **March 8 - 12** | **Functions, Arrays and Structs** | **Character strings, Input, Output and Library functions** | * **Weekly Readings – Functions, arrays & structs** * **Walkthrough Exercise** * **Workshop 6 due** * **Assignment 1 – MS1 & 2 Due March 12** | * **1.4%** * **3%** * **6%** * **7%** |
| **Week 9**  **March 15 - 19** | **Character strings, Input, Output and Library functions** | **String library & More Input and Output** | * **Weekly Readings – Strings and Input & Output Libraries** * **Correct the Mistakes Exercise** * **Assignment 1 MS3 & 4 due** * **Assignment 2 MS1 & 2 Due Mar 26.** * **MS 3 & 4 Due April 9** | * **1.4%** * **3%** * **3%** * **7%** * **8%** |
| **Week 10**  **March 22 - 26** | **Character strings, String library** | **Text Files, Records and Fields** | * **Weekly Readings – String Library, more Input and Output** * **Walkthrough Exercise** * **Assignment 2 – MS1 & 2 due** | * **1.4%** * **3%** |
| **Week 11**  **March 29 – April 2** | **Text Files, Records and Fields** | **Review** | * **Weekly Readings – Text Files, Records and Fields** * **Correct the Mistakes Exercise** | * **1.4%** * **3%** |
| **Week 12**  **April 5 - 9** | **Review** | **Review** | * **2 Review Quizzes** * **Assignment 2 MS3 & 4 Due April 9** | * **1.4%** * **1.4%** |
| **Week 13**  **April 12 - 16** | **Review** | **Review** | * **2 Review Quizzes** * **Final Assessment – Coding, Due April 20, Reflection Due April 21** | * **1.4%** * **1.4%** * **7.5%** |
| **Week 14**  **April 19 - 23** | **Final Assessment** |  | * **Final Assessment – Test on Blackboard April 20\*** | * **7.5%** |

**\* Midterm and final assessments might each be deployed as multiple, separate Blackboard tests to allow students to take a break between answering questions. They are each a single test, not multiple tests.**

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