

Week 1: Day 1

Introduction to Programming using C

By:

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Seneca College

Introduction to Programming using C (IPC 144)

Winter-2023

Outline

- Introduction to the course
- Addendum and weekly schedule discussion
- Getting started
 - Technical Requirements
 - Development and Access Tools
 - Software Package Installation
 - Installation of Tools
- Writing and running C Program with VS

Course Administration

Office/class Hours : **Monday @11:40am-1:25pm (Room: B3090)**
Thursday @ 4:15pm-6:00pm (Room: A4526)

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Assessment Summary:

- **Workshops (8)**15%
 - Each Workshop:
 - Part 1: 10%
 - Part 2: 40%
 - Part 2 reflection: 50%
- Note:** although successful completion of the workshops is not required, failure to successfully complete all or most of the workshops will make it difficult to earn sufficient grades to pass the course, and lead to difficulties successfully completing the assignment and the midterm and final assessments.
- **Assignments (1)**20%
 - Milestone 1 – 5%
 - Milestone 2 – 5%
 - Milestone 3 – 10%
- **Quizzes (min. 12)**15%
 - Weekly in-class reading/review/walkthrough/logic exercises (**best 10/12**)
- **Test (midterm)**20%
- **Final Assessment**.....30%

Course Policies:

- To obtain a credit in this subject, a student must have a passing average for the course and a weighted passing average for the midterm and final assessments

Tentative Weekly Schedule

TENTATIVE WEEKLY SCHEDULE (Winter 2023)

Week	Topic	Prescribed Reading	Quiz	Workshop/Assignment	Weight Value
W1 (Jan.9 – Jan.13)	Introduction to VS & matrix. C - output	Types, Calculations, Expressions		Workshop #1	<ul style="list-style-type: none"> WS: 0.75%
W2 (Jan.16 – Jan.20)	Types, Calculations, Expressions	Types, Calculations, Expressions	1. Reading Quiz (Week 2 <u>AND</u> Week 3 Material)	Workshop #2	<ul style="list-style-type: none"> Reading Quiz: 1.5% WS: 0.75%
W3 (Jan.23 – Jan.27)	Types, Calculations, Expressions (<i>Continued</i>)	Logic	2. Exercise Quiz	Workshop #3	<ul style="list-style-type: none"> Exercise Quiz:1.5% WS:0.75%
W4 (Jan.30 – Feb.3)	Logic (Selection)	Logic	3. Reading Quiz (Week 4 <u>AND</u> Week 5 Material)	Workshop #4	<ul style="list-style-type: none"> Reading Quiz: 1.5% WS: 1.5%
W5 (Feb.6 – Feb.10)	Logic (Iteration)	Arrays, Intro. To C Strings, Style, Testing and Debugging	4. Exercise Quiz	Workshop #5	<ul style="list-style-type: none"> Exercise Quiz:1.5% WS: 1.5%
W6 (Feb.13 – Feb .17)	Arrays, (<i>Including an intro. to C Strings</i>), Style, Testing and Debugging	Structures	5. Reading Quiz	Workshop #6	<ul style="list-style-type: none"> Reading Quiz: 1.5% WS: 2.25%
W7 (Feb.20 – Feb.24) <i>Note: Feb.20 Holiday</i>	Structs Midterm Assessment (up to and including arrays)	Functions, Pointers	6. Reading Quiz	< no workshop > Midterm Assessment	<ul style="list-style-type: none"> Reading Quiz: 1.5% Midterm:20%
STUDY WEEK					
W8 (Mar.6 – Mar.10)	Functions, Pointers	Functions, Arrays and Structs, and Pointers, Arrays and Structs	7. Reading Quiz	Workshop #7	<ul style="list-style-type: none"> Reading Quiz: 1.5% WS: 3.0%
W9 (Mar.13 – Mar.17)	Functions, Arrays and Structs, and Pointers, Arrays and Structs	Character strings, input, Output, and Library Functions	8. Reading Quiz	Workshop #8	<ul style="list-style-type: none"> Reading Quiz: 1.5% WS: 4.5%
W10 (Mar.20 – Mar.24)	Character strings, and Input, Output, and Library functions	String Library, More Input & Output	9. Reading Quiz	Assignment MS-1	<ul style="list-style-type: none"> Reading Quiz: 1.5% MS1: 5.0%
W11 (Mar.27 – Mar.31)	String Library, More Input & Output	Text Files, Records and Fields	10. Reading Quiz	Assignment MS-2	<ul style="list-style-type: none"> Reading Quiz: 1.5% MS2: 5.0%
W12 (Apr.3 – Apr.7) <i>Note: Apr.7 Holiday</i>	Text Files, Records and Fields	<No prescribed reading>	11. Reading Quiz	Assignment MS-3	<ul style="list-style-type: none"> Reading Quiz: 1.5% MS3: 10.0%
W13 (Apr.10 – Apr.14)	Review	<No prescribed reading>	12. Review Quiz	<No practical due>	<ul style="list-style-type: none"> Review Quiz: 1.5%
W14 (Apr.17 – Apr.21)	Final Assessment			Final Assessment	<ul style="list-style-type: none"> Final: 30%