Seneca | SCHOOL OF SOFTWARE DESIGN & DATA SCIENCE

Course Code	**IPC144**	**Course Section**	**NHH**	**Course Title**	**Introduction to Programming Using C**
Term	**Winter 2024 (2241)**	**Course Outline Link**	**Course Outline Link**	**Instructional Mode**	**In-Person**
Scheduled Weekday for Lecture	**Tuesday**	**Scheduled Class Start Time (in Eastern Time)**	**9:50 AM**	**Scheduled Class End Time (in Eastern Time)**	**11:35 AM**
Scheduled Weekday for Lab	**Thursday**	**Scheduled Class Start Time (in Eastern Time)**	**8:00 AM**	**Scheduled Class End Time (in Eastern Time)**	**9:45 AM**
Professor's Name	**Hamed Karimi**	**Professor's Email Address**	hamed.karimi@senecapolytechnic.ca	**Professor's Telephone Number**	**N/A**
Scheduled Office Hours	**Mondays, 6pm-8pm; Virtually via Zoom; Please email for appointment**	**Professor's Preferred Method of Communication**	**Email**	**Expected Response Time**	**Less than two business days**

Assessment Summary

Workshops (8): **15%**
- Each Workshop:
  - Part 1: 10%
  - Part 2: 40%
  - Part 2 Reflection: 50%

Assignments (1): **20%**
- Milestone 1: 5%
- Milestone 2: 5%
- Milestone 3: 10%

Quizzes (best 10 of 12): **15%**

Test (midterm): **20%**

Final Assessment: **30%**

The semester starts on Jan. 8th, 2024

Week	Class type	Topics/Activities	Instruction Mode	Class Location	Assessment (Type and weight)
Week 1 Jan. 8 - 12	Lecture	**Introduction** •To the course •Visual Studio and Matrix •A basic C program using output **Prescribed Reading** •Types, Calculations, Expressions	In-Person (Attend on campus)	Physical Classroom (Newnham Tu: Bldg C - C3032)	-
	Lab	Workshop #1	In-Person (Attend on campus)	Physical Classroom (Newnham Th: Bldg A - A3069)	Workshop #1: 0.75%
Week 2 Jan. 15 - 19	Lecture	**Topic Coverage** •Types, Calculations, Expressions **Prescribed Reading** •Types, Calculations, Expressions (Continue)	In-Person (Attend on campus)	Physical Classroom (Newnham Tu: Bldg C - C3032)	Reading Quiz: 1.5%
	Lab	Workshop #2	In-Person (Attend on campus)	Physical Classroom (Newnham Th: Bldg A - A3069)	Workshop #2: 0.75%
Week 3 Jan. 22 - 26	Lecture	**Topic Coverage** •Types, Calculations, Expressions (Continued) **Prescribed Reading** •Logic	In-Person (Attend on campus)	Physical Classroom (Newnham Tu: Bldg C - C3032)	Exercise Quiz: 1.5%
	Lab	Workshop #3	In-Person (Attend on campus)	Physical Classroom (Newnham Th: Bldg A - A3069)	Workshop #3: 0.75
Week 4 Jan. 29 - Feb. 2	Lecture	**Topic Coverage** •Logic (Selection) **Prescribed Reading** •Logic (Continue)	In-Person (Attend on campus)	Physical Classroom (Newnham Tu: Bldg C - C3032)	Reading Quiz: 1.5%
	Lab	Workshop #4	In-Person (Attend on campus)	Physical Classroom (Newnham Th: Bldg A - A3069)	Workshop #4: 1.5%

Week 5 Feb. 5 - 9	Lecture	**Topic Coverage** •Logic (Iteration) **Prescribed Reading** •Arrays, Intro. to C Strings, Style, Testing and Debugging	In-Person (Attend on campus)	Physical Classroom (Newnham Tu: Bldg C - C3032)	Exercise Quiz: 1.5%
	Lab	Workshop #5	In-Person (Attend on campus)	Physical Classroom (Newnham Th: Bldg A - A3069)	Workshop #5: 1.5%
Week 6 Feb. 12 - 16	Lecture	**Topic Coverage** •Arrays, Intro. to C Strings, Style, Testing and Debugging **Prescribed Reading** •Structures	In-Person (Attend on campus)	Physical Classroom (Newnham Tu: Bldg C - C3032)	Reading Quiz: 1.5%
	Lab	Workshop #6	In-Person (Attend on campus)	Physical Classroom (Newnham Th: Bldg A - A3069)	Workshop #6: 2.25%
Week 7 Feb. 19 - 23 ***(Feb. 19: Holiday)***	Lecture	**Topic Coverage** •Structures **Prescribed Reading** •Functions, Pointers	In-Person (Attend on campus)	Physical Classroom (Newnham Tu: Bldg C - C3032)	Reading Quiz: 1.5%
	Lab	Midterm Test (up to and including Arrays)	In-Person (Attend on campus)	Physical Classroom (Newnham Th: Bldg A - A3069)	**Midterm Test: 20%**
Study week: Feb. 26 to Mar. 1					
Week 8 Mar. 4 - 8	Lecture	**Topic Coverage** •Functions, Pointers **Prescribed Reading** •Functions, Arrays and Structs, and Pointers, Arrays and Structs	In-Person (Attend on campus)	Physical Classroom (Newnham Tu: Bldg C - C3032)	Reading Quiz: 1.5%
	Lab	Workshop #7	In-Person (Attend on campus)	Physical Classroom (Newnham Th: Bldg A - A3069)	Workshop #7: 3.0%
Week 9 Mar. 11 - 15	Lecture	**Topic Coverage** •Functions, Arrays and Structs, and Pointers, Arrays and Structs **Prescribed Reading** •Character Strings, Input, Output, and Library Functions	In-Person (Attend on campus)	Physical Classroom (Newnham Tu: Bldg C - C3032)	Reading Quiz: 1.5%
	Lab	Workshop #8	In-Person (Attend on campus)	Physical Classroom (Newnham Th: Bldg A - A3069)	Workshop #8: 4.5%
Week 10 Mar. 18 - 22	Lecture	**Topic Coverage** •Character Strings, Input, Output, and Library Functions **Prescribed Reading** •String Library, More Input & Output	In-Person (Attend on campus)	Physical Classroom (Newnham Tu: Bldg C - C3032)	Reading Quiz: 1.5%
	Lab	Assignment Milestone #1	In-Person (Attend on campus)	Physical Classroom (Newnham Th: Bldg A - A3069)	Milestone #1: 5.0%
Week 11 Mar. 25 - 29 ***(Mar. 29: Holiday)***	Lecture	**Topic Coverage** •String Library, More Input & Output **Prescribed Reading** •Text Files, Records and Fields	In-Person (Attend on campus)	Physical Classroom (Newnham Tu: Bldg C - C3032)	Reading Quiz: 1.5%
	Lab	Assignment Milestone #2	In-Person (Attend on campus)	Physical Classroom (Newnham Th: Bldg A - A3069)	Milestone #2: 5.0%
Week 12 Apr. 1 - 5	Lecture	**Topic Coverage** •Text Files, Records and Fields	In-Person (Attend on campus)	Physical Classroom (Newnham Tu: Bldg C - C3032)	Reading Quiz: 1.5%
	Lab	Assignment Milestone #3	In-Person (Attend on campus)	Physical Classroom (Newnham Th: Bldg A - A3069)	Milestone #3: 10.0%
Week 13 Apr. 8 - 12	Lecture	**Review** •Final Assessment Review	In-Person (Attend on campus)	Physical Classroom (Newnham Tu: Bldg C - C3032)	Review Quiz: 1.5%

Apr. 8 - 12	Lab	**Review** •Final Assessment Review (Continued)	In-Person (Attend on campus)	Physical Classroom (Newnham Th: Bldg A - A3069)	-
Week 14 Apr. 15 - 19	Lecture	**Review** •Final Assessment Review (Continued)	In-Person (Attend on campus)	Physical Classroom (Newnham Tu: Bldg C - C3032)	-
	Lab	Final Assessment	In-Person (Attend on campus)	Physical Classroom (Newnham Th: Bldg A - A3069)	**Final Assessment: 30%**

The semester ends April 19th, 2024

Other Important Semester Dates

Primary Addenda

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 Welcome | School of Software Design and Data Science (senecacollege.ca) for key information on courses, graduation requirements, transfer credit, and more from the School of Software Design and Data Science.

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.

Workshop and assignment submissions that do not meet specifications and/or instructor expectations may be returned to the student for revision and resubmission at a reduced grade. Reflections will not be read or graded until the associated workshop or assignment is deemed acceptable and graded.

Late submissions of workshops, and assignments will not be accepted without the prior approval of your professor based on submitted evidence of extenuating circumstances. All workshops and assignments must be submitted using the matrix submitter and submissions by other means cannot be accepted.

Although students are not required to successfully complete exercises, workshops, and assignments, it is very difficult to pass the course or understand the concepts in follow-on courses without successfully completing all prescribed term work.

Grade Letter	Percent Range
A+	90% to 100%
A	80% to 89%
B+	75% to 79%
B	70% to 74%
C+	65% to 69%
C	60% to 64%
D+	55% to 59%
D	50% to 54%
F	0% to 49% (Not a Pass)

Academic Policies

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