Seneca | SCHOOL OF SOFTWARE DESIGN & DATA SCIENCE

Course Code	OOP244	Course Section	NAA	Course Title	Introduction to Object Oriented Programming
Term	Winter 2024 (2241)	Course Outline Link	Course Outline Link	Instructional Mode	In-Person (Attend on campus)
Scheduled Weekday for Lecture	Tuesday	Scheduled Class Start Time (in Eastern Time)	8:00 AM	Scheduled Class End Time (in Eastern Time)	9:45 AM
Scheduled Weekday for Lab	Thursday	Scheduled Class Start Time (in Eastern Time)	11:40 AM	Scheduled Class End Time (in Eastern Time)	1:25 PM
Professor's Name	Fardad Soleimanloo	Professor's Email Address	fardad.soleimanloo@senecapolytechnic.ca	Professor's Telephone Number	(+)1 416 764 9397
Scheduled Office Hours	9 to 5 Weekdays by Appointment Only. Use MS Teams Calender and Scheduling Assistant Max 30 mins with no conflict with other appointments	Professor's Preferred Method of Communication	Direct Message On Microsoft Teams	Expected Response Time	48 hours

Assessment Summary		
Workshops	15%	15 parts (@1% each)
Final Project	10%	
Quizzes	15%	10 (@ 1.5% each)
Test 1 (Midterm Test)	20%	
Test 2 (Final Test)	40%	

The semester starts on Jan 8th,2024

Week	Class type	Topics/Activities	Instruction Mode	Class Location	Assessment (Type and weight)
Week 1 January 8 to 12	Lecture	OOP Object Terminology Modular Programming	In-Person (Attend on campus)	Newnham A3504	
	Lab	Finalizing lecture and Workshop Q&A	In-Person (Attend on campus)	Newnham A4516	
Week 2 January 15 to 19	Lecture	Types, References and Overloading Dynamic Memory	In-Person (Attend on campus)	Newnham A3504	
	Lab	Finalizing lecture and Workshop Q&A	In-Person (Attend on campus)	Newnham A4516	Workshop (2%) Quiz (1.5%)
Week 3 January 22 to 26	Lecture	Member Functions and Privacy	In-Person (Attend on campus)	Newnham A3504	
	Lab	Finalizing lecture and Workshop Q&A	In-Person (Attend on campus)	Newnham A4516	Workshop (2%) Quiz (1.5%)
Week 4	Lecture	Construction and Destruction The Current Object	In-Person (Attend on campus)	Newnham A3504	

January 29 to February 2	Lab	Finalizing lecture and Workshop Q&A	In-Person (Attend on campus)	Newnham A4516	Workshop (2%) Quiz (1.5%)
Week 5	Lecture	Member Operators Helper Functions	In-Person (Attend on campus)	Newnham A3504	
February 5 to 9	Lab	Finalizing lecture and Workshop Q&A	In-Person (Attend on campus)	Newnham A4516	Workshop (2%) Quiz (1.5%)
Week 6	Lecture	Classes and Resources Input and Output Operators	In-Person (Attend on campus)	Newnham A3504	
February 12 to 16	Lab	Finalizing lecture and Workshop Q&A	In-Person (Attend on campus)	Newnham A4516	Workshop (2%) Quiz (1.5%)
Week 7	Lecture	Input and Output Operators (continued)	In-Person (Attend on campus)	Newnham A3504	
February 19 to 23	Lab	Midterm test	In-Person (Attend on campus)	Newnham A4516	Midterm Test (20%)
Study week Feb 26th- Mar 1st, 2024					
Week 8	Lecture	Derived Classes Functions in a Hierarchy	In-Person (Attend on campus)	Newnham A3504	Project Milestone (1%) Quiz (1.5%)
March 4 to 8	Lab	Finalizing lecture and Workshop/Project Q&A	In-Person (Attend on campus)	Newnham A4516	Workshop (1%)
Week 9	Lecture	Virtual Functions Abstract Base Classes	In-Person (Attend on campus)	Newnham A3504	Project Milestone (1%) Quiz (1.5%)
March 11 to 15	Lab	Finalizing lecture and Workshop/Project Q&A	In-Person (Attend on campus)	Newnham A4516	Workshop (1%)
Week 10	Lecture	Derived Class with a Resource	In-Person (Attend on campus)	Newnham A3504	Project Milestone (1%) Quiz (1.5%)
March 18 to 22	Lab	Finalizing lecture and Workshop/Project Q&A	In-Person (Attend on campus)	Newnham A4516	Workshop (1%)
Week 11	Lecture	Function Templates	In-Person (Attend on campus)	Newnham A3504	Project Milestone (1%) Quiz (1.5%)
March 25 to 29	Lab	Finalizing lecture and Workshop/Project Q&A	In-Person (Attend on campus)	Newnham A4516	Workshop (1%)
Week 12	Lecture	Input and Output Refinements (review) Overview of Polymorphism	In-Person (Attend on campus)	Newnham A3504	Project Final Milestone (6%) Quiz (1.5%)
April 1 to 5	Lab	Finalizing lecture and Workshop/Project Q&A	In-Person (Attend on campus)	Newnham A4516	Workshop (1%)
Week 13	Lecture	Language Standards and Open Session Q&A	In-Person (Attend on campus)	Newnham A3504	
April 8 to 12	Lab	Final Test Overview / Q&A	In-Person (Attend on campus)	Newnham A4516	
Week 14	Paper Based Test session	Final Test if paper based	In-Person (Attend on campus)	Newnham A3504	Final Test(40%)
April 15 to 19	Computer Based Test session	Final Test if computer based	In-Person (Attend on campus)	Newnham A4516	
The semester ends at the end of April 19th					

Other Important Semester Dates

IMPORTANT INFO

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 pass this subject you must:
• Achieve a grade of 50% or better on the weighted average of the tests.
• Achieve a grade of 50% or better on the weighted average of all assessments and deliverables
• Submit a complete working Project
Grading Policy: http://www.senecacollege.ca/about/policies/grading-policy.html
The code for workshops #1 to #5 has two parts: one part with detailed instructions, and a second part with brief instruc-tions. Workshops #6 to #10 have two parts: one coding part with detailed instructions and one non-coding part.
Each workshop part 2 has a non-coding part: a reflection. Reflection does not have a mark associated but can incur a penalty of max 40% of the whole workshop's mark (parts 1 or 2) if the professor deems it insufficient.
The project is considered complete if all milestones are submitted, and the implementation follows the requirements from the project description.

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
For further information, see a copy of the Academic Policy, available online (http://www.senecacollege.ca/about/policies/academics-and-student-services.html) or at Seneca's Registrar's Offices.

Copyright