

OOP244 Course Addendum

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 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%	15 parts (@1.33%ea)
Final Project	20%	
Quizzes	15%	10 (@1.5%ea)
Test #1 (Multipart Midterm Test)	15%	
Test #2 (Multipart Final Test)	30%	

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 instructions. **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.

Academic Policies:

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

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TENTATIVE WEEKLY SCHEDULE

Summer 2023

Week	Topic or Skill	Reading	Assessment	Weight
Week 1	<ul style="list-style-type: none"> • OOP • Object Terminology • Modular Programming 	<ul style="list-style-type: none"> • Types, References and Overloading • Dynamic Memory 		
Week 2	<ul style="list-style-type: none"> • Types, References and Overloading • Dynamic Memory 	<ul style="list-style-type: none"> • Member Functions and Privacy 	<ul style="list-style-type: none"> • Workshop #1 • Quiz #1 	<ul style="list-style-type: none"> • ~1.33% + ~1.33% • 1.5%
Week 3	<ul style="list-style-type: none"> • Member Functions and Privacy 	<ul style="list-style-type: none"> • Construction and Destruction • The Current Object 	<ul style="list-style-type: none"> • Workshop #2 • Quiz #2 	<ul style="list-style-type: none"> • ~1.33% + ~1.33% • 1.5%
Week 4	<ul style="list-style-type: none"> • Construction and Destruction • The Current Object 	<ul style="list-style-type: none"> • Member Operators • Helper Functions 	<ul style="list-style-type: none"> • Workshop #3 • Quiz #3 	<ul style="list-style-type: none"> • ~1.33% + ~1.33% • 1.5%
Week 5	<ul style="list-style-type: none"> • Member Operators • Helper Functions 	<ul style="list-style-type: none"> • Classes and Resources • Input and Output Operators 	<ul style="list-style-type: none"> • Workshop #4 • Quiz #4 	<ul style="list-style-type: none"> • ~1.33% + ~1.33% • 1.5%
Week 6	<ul style="list-style-type: none"> • Classes and Resources • Input and Output Operators 	<ul style="list-style-type: none"> • Input and Output Refinements 	<ul style="list-style-type: none"> • Workshop #5 • Quiz #5 	<ul style="list-style-type: none"> • ~1.33% + ~1.33% • 1.5%
Week 7	<ul style="list-style-type: none"> • Input and Output Operators (continued) • Review 	<ul style="list-style-type: none"> • Derived Classes • Functions in a Hierarchy 	<ul style="list-style-type: none"> • Midterm Test • Project Release 	<ul style="list-style-type: none"> • 15%
Study Week				

Week 8	<ul style="list-style-type: none"> • Derived Classes • Functions in a Hierarchy 	<ul style="list-style-type: none"> • Virtual Functions • Abstract Base Classes 	<ul style="list-style-type: none"> • Workshop #6 • Quiz #6 	<ul style="list-style-type: none"> • ~1.33% • 1.5%
Week 9	<ul style="list-style-type: none"> • Virtual Functions • Abstract Base Classes 	<ul style="list-style-type: none"> • Derived Class with a Resource 	<ul style="list-style-type: none"> • Workshop #7 • Quiz #7 	<ul style="list-style-type: none"> • ~1.33% • 1.5%
Week 10	<ul style="list-style-type: none"> • Derived Class with a Resource 	<ul style="list-style-type: none"> • Function Templates • Input and Output Refinements 	<ul style="list-style-type: none"> • Workshop #8 • Quiz #8 	<ul style="list-style-type: none"> • ~1.33% • 1.5%
Week 11	<ul style="list-style-type: none"> • Function Templates • Input and Output Refinements 	<ul style="list-style-type: none"> • Overview of Polymorphism 	<ul style="list-style-type: none"> • Workshop #9 • Quiz #9 	<ul style="list-style-type: none"> • ~1.33% • 1.5%
Week 12	<ul style="list-style-type: none"> • Overview of Polymorphism 	<ul style="list-style-type: none"> • Language Standards 	<ul style="list-style-type: none"> • Workshop #10 • Quiz #10 • Project Due 	<ul style="list-style-type: none"> • ~1.33% • 1.5% • 20%
Week 13	<ul style="list-style-type: none"> • Language Standards 	<ul style="list-style-type: none"> • Review 		
Week 14	<ul style="list-style-type: none"> • Review 	<ul style="list-style-type: none"> • Review 	<ul style="list-style-type: none"> • Final Test 	<ul style="list-style-type: none"> • 30%

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