

PROG2100 Programming C++

TENTATIVE WORK PLAN

FACULTY INFORMATION

Name Leonardo Farran
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Campus Online
Office Location Teams
Availability By Arrangement

Academic Chair
Blair Lipsett
Email: Blain.Lipsett@nscc.ca

Administrative Assistant
Daniel Hill
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Student Services Advisor
Lillian Lake Student
Email: lillian.lake@nscc.ca

TEXTBOOK / RESOURCE REQUIREMENTS

n/a

SUPPLIES / ADDITIONAL RESOURCES

n/a

ACCREDITATION / EXTERNAL CERTIFICATION

n/a

ASSESSMENT AND EVALUATION METHODS

A variety of informal and formal methods may be used for assessing and evaluating your learning, including but not limited to:

- Assignments
- Labs
- Tests
- Projects

Evaluation Scheme:

Assignments: 1 @ 15%	15%
Assignments: 2 @ 20%	40%
Final Project @ 30%	30%
Participation and Engagement	15%
Total	100%

Extra Assignment @15% 15%

(this assignment is provided for students to upgrade their marks)

The pass mark for this course is 60%

Code reviews, feedback, and grades.

All coding assignments will be submitted to Brightspace where their submission time will be recorded ("time stamped"). Each assignment will be code reviewed (in person) where students will answer questions about their solutions and design choices. Feedback will be provided at this time. **Please note that no grades will be recorded for submitted assignments without an in-person code review taking place.**

TENTATIVE SCHEDULE

Because every learner is different, it is effective to align the pace, workload, and delivery strategy to strengths of the learners. In a creative learning environment, **you should expect some variations** from this tentative work plan as well as a variety of informal assessments throughout the course.

Week/Unit	Topics/Description	Relevant Learning Outcome(s)	Value/Evaluation/ Due Dates (if applicable)
Week 0 Sept 2-5	NA		
Week 1 Sept 8-12	NA		
Week 2 Sept 15-19	Orientation Days, Overview of Course, College Resources Course intro, I/O, Seq, Sel, Rep, Validation	1,2,3	
Week 3 Sept 22-26	Intro to Pointers File I/O, Streams, Namespaces	1,2,3	
Tuesday, September 30th – National Truth and Reconciliation Day – College Closed/No Classes			
Week 4 Sept 29-Oct 3	Intro to Pointers File I/O, Streams, Namespaces	1,2,3	
Week 5 Oct 6-10	File I/O, Streams, Namespaces	1,2,3	
Monday, October 13th – Thanksgiving Day – College Closed/No Classes			
Week 6 Oct 13-17	Arrays, Dynamic Arrays, Vectors Classes, Over Ops, friends & headers	1,2,3	
Wednesday, October 22nd – Assessment & Evaluation Day – College Open/No Classes			
Week 7 Oct 20-24	Classes, Over Ops, friends & headers	1,2,3,4	Assignment 1 (15%)
Week 8 Oct 27-31	Rule of Five	1,2,3,4,5	Assignment 1 due
Week 9 Nov 3-7	Inheritance / Polymorphism	1,2,3,4,5	
Tuesday, November 11th – Remembrance Day – College Closed/No Classes			
Week 10 Nov 10-14	Ecosystem Simulations	1,2,3,4,5,6	In Class Assignment 2 (20%)

Week 11 Nov 17-21	Ecosystem Simulations		Final Project
Week 12 Nov 24-28	Intro to Data Structures	5	
Week 13 Dec 1-5	Lab time for Final Project Final Assignment due		In Class Assignment 3 (20%) Final Project due (30%)
Week 14 Dec 8-11	Course wrap up – marking.		

Participation and Engagement

Students will receive a grade for participation and engagement based on a sliding scale.

This scale is based on consistent, active involvement in class discussions, group activities, and overall contribution to the learning environment.

Max total grade: 15%		
Participation	Description	Grade
Responds to questions	The student provides an answer when directly asked a question. Answers can be submitted via voice or chat and do not need to be correct.	5%
Volunteers Answers	The student actively volunteers answers to class-wide questions. Answers can be submitted via voice or chat and do not need to be correct.	2%
Communicates Exercise Status	The student indicates the status of their current "Hands-on" exercise. This can be done in the meeting chat (e.g., using a "thumbs up" emoji for completion) or via direct message to the instructor for assistance.	8%
	Total	15%
Camera use	Maintaining an active camera for over 80% of the classes complements the total participation grade, though the maximum combined grade for participation cannot exceed 15%.	5%

ADDITIONAL INFORMATION

The keys to success in a fast-paced and applied program are being proactive and being present. To foster success, we have implemented the guidelines below to help keep you on-track in the program. It is important that if you are having difficulties, you have ongoing communication with your faculty.

Attendance and Late Assignments

1. NSCC is an applied learning environment and as such in-classroom participation is key to the learning process. Prompt and regular attendance is expected of all students and attendance records will be kept.
2. Responsibility for work missed due to absence rests with the student. Failure to complete program or course requirements stated at the outset of the course will result in a failing grade.
3. If a student misses a test or will be late with an assignment they must coordinate with the faculty **prior** to the due date. **A late assignment will be assessed a late penalty of 20% per day. After 5 days Brightspace submission will be closed and after that point an assignment can only be graded with the permission of the Academic Chair.**
4. When academic difficulties are being experienced, it is the responsibility of the student to seek support through college and/or external resources.

Inclusion and Integrity of the Learning Environment

We strive to ensure that equity, inclusion and social justice is the reality for all students, faculty and staff. We commit to provide a safe and respectful working and learning environment where differences are valued, expected and honored. Within this environment, students are required to demonstrate the values of respect, academic integrity and honesty.

To support these goals, we have the following policies:

- Respectful Community
- Student Community Standards
- Employee Code of Conduct
- Sexual Violence
- Academic Integrity
- Academic Accommodations
- Educational Equity

For more information visit [Policy and Procedures](#)

Universal Design for Learning (UDL)

Extended time has been applied for timed evaluations in this course. If you are a student with an extended time accommodation and have questions about whether your accommodation is being upheld, please contact me and your Student Accessibility Specialist (SAS) as soon as possible. I will work with you and your SASs to ensure accommodation needs are met.

Appealing a Final Grade

NSCC is committed to a fair, transparent and timely approach to a student's right to challenge academic decisions and non-academic decisions that affect academic progress and standing.

If you feel your final grade is unreasonable, speak with your Faculty or Academic Chair about your concerns. If the issue is not resolved, you may pursue a formal appeal. Speak with your Student Services Advisor for more information on the [Student Appeals Policy](#), procedures, and your eligibility.

Supplemental Evaluations

Students may be eligible to write supplemental evaluations however, not all courses are eligible for a course supplemental evaluation. Approval to exempt a course from eligibility for supplemental evaluation must be granted by the school Dean and the Director of Enrolment and Registrar. For more information speak with your faculty or Academic Chair.

Copyright

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Preparing for Learning

Your success in this course stems largely from your level of engagement and willingness to learn. Preparation, attendance, and participation are key factors in learning. If you feel overwhelmed, lost, or disengaged, speak with your faculty, Academic Chair, or Student Services Advisor about how we can help.

Student Supports

Visit the [Student Supports Hub](#) to access accessibility, advising, career, financial aid, library, learning and wellness supports.

For support with Brightspace visit [Service Desk](#) and select Technology Services and then View Services. Click **Create a Request** (Select "Brightspace", then "Brightspace Student Support"). Or, by phone, dial 902 491-4357, or Toll-free: 1 866 898 4357. For self-directed, how-to resources to aid in using Brightspace, visit the [Brightspace Toolkit](#).

Take care of yourself

As a student, you may experience a range of challenges that can interfere with learning, such as strained relationships, increased anxiety, substance use, feeling down, difficulty concentrating or lack of motivation. This may impact your daily activities and your academic performance.

We are here to support you.

To talk to a counsellor and explore other supports: [Wellness and counselling](#)

For online supports and our 24/7 student helpline: [HealthymindsNS](#)

Your wellbeing is a priority – review our [Mental Wellness Strategy](#)

Workplan Approval

LF

A. BLIS

Leonardo Farran

Signature: Faculty

Signature: Academic Chair, Manager Alternate
Delivery, or Dean's Designate

Leonardo Farran

Name of Faculty Member

Blair Lipsett

Name of Academic Chair, Manager Alternate
Delivery, or Dean's Designate

05-Nov-2025

Date

September 15, 2025

Date