

## Initial Course Questionnaire

**Name:** \_\_\_\_\_ **Student ID:** \_\_\_\_\_

**Email:** \_\_\_\_\_

1. My registration status in the course is currently:
  - a) registered in  SENG 475 or  ECE 569A
  - b) waitlisted for  SENG 475 or  ECE 569A
2. The type of my (current) degree program is:
  - Bachelor's
  - Master's with Thesis
  - Master's without Thesis
  - Doctoral
  - other: \_\_\_\_\_
3. The discipline of my (current) degree program is:
  - biomedical engineering
  - computer engineering
  - computer science
  - electrical engineering
  - mechanical engineering
  - software engineering
  - other: \_\_\_\_\_
4. The fact that this course specifically uses C++ (as opposed to another programming language) was a significant factor in my decision to take this course:
  - yes
  - no
5. For each programming language listed below, check the box that best describes your level of proficiency in the language. The definitions of the various proficiency levels are also given below.

Level	Description
None	No knowledge at all
Novice	Only very limited knowledge
Intermediate	Basic working knowledge of language
Advanced	In-depth understanding of entire language

Language	None	Novice	Intermediate	Advanced
C++	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Java	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MATLAB	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Assembly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6. If, in your response to the previous question, you indicated a proficiency level for C++ of novice, intermediate, or advanced, indicate the C++ features/terms/concepts with which you are familiar in the list below. Check all that apply.
  - Basic Syntax
  - Pointers
  - References
  - Const Correctness
  - Namespaces
  - New and Delete Expressions
  - New and Delete Operators
  - Function Overloading
  - Move Semantics
  - Classes
  - Constructors and Destructors
  - Initializer Lists
  - Static Members
  - Temporary Objects
  - Operator Overloading
  - Templates
  - Template Specialization
  - Variadic Templates
  - Functors
  - Lambdas and Closures
  - Inheritance
  - Polymorphism
  - Exceptions
  - Exception Safety
  - Sequential Consistency
  - Threads
  - Mutexes
  - Condition Variables
  - Promises and Futures
  - Atomics
  - Memory Model
  - STL Containers
  - STL Iterators
  - STL Algorithms
  - I/O Streams
  - RAII
  - CRTP
  - Smart Pointers
  - Pointers to Members
  - Copy Elision
  - SFINAE
  - Lvalues and Rvalues
  - Type Traits
  - Perfect Forwarding

7. For each item (e.g., software/web tool, operating system, etc.) listed below, check the box that best describes your level of proficiency in that item. The definitions of the various proficiency levels are also given below.

Level	Description
None	No knowledge at all
Novice	Only very limited knowledge
Intermediate	Basic working knowledge
Advanced	In-depth understanding

Item	None	Novice	Intermediate	Advanced
CMake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Git	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GitHub	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Linux	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>