

ITP 107 Engineering Programming I
Tue, Thu, 13:00 - 14:15 PM, Room: E205

Instructor: Professor Beomseok Nam, EB3 601-5, E-mail: bsnam@unist.ac.kr

Assistant Instructor: Changjoo Oh, E-mail: cjoh@unist.ac.kr

Office Hours: Tue 7pm~9pm (EB3 601-5)

Textbook: Starting out with C++

Prerequisites: No prior knowledge about computer programming is required.

Course Objectives: The goal of this course is to learn the basics about C++ programming language. C++ is one of the most widely used general purpose programming languages. Computer programming has become an essential skill for all kinds of engineers, but it is not easy to learn. Yes, you will be often frustrated while doing programming assignments in this class. But whenever you accomplish each assignment, you will feel so proud that your own logic works as you intended.

Learning a programming language requires hands-on experience. Without practice, you will never learn how to write programs. In this class, students are required to read the textbook before they come to class. During lectures, we will mostly focus on how to develop programs using what they learn from the textbook. Learning the first programming language is often very challenging. Hence, if you have no experience of programming, you should read the textbook and prepare for each lecture beforehand.

Tentative Course Topics:*

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| Introduction to C++ | |
| Expression | |
| Conditional Branches | |
| Iterations | |
| Files | |
| Functions | |
| Arrays | |
| Structures | |
| Pointers | |

Grading:

30% midterm, 30% final, 30% project, and 10% class participation

30% A, 30% B, 30% C, and 10% D and F

This is subject to change.

Late Submission Policy: Late submissions will be penalized.

Academic Honesty: As a student of UNIST, you have agreed to abide by the University's academic honesty policy. Lack of knowledge of the academic honesty policy is not a reasonable explanation for a violation. Questions related to course assignments and the academic honesty policy should be directed to the instructor. **Violations will result in a Failing grade (F).**