



# HANYANG UNIVERSITY

## Hanyang International Summer School

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	<b>Home University</b>	Hanyang University					
	<b>Department</b>	Innovation Center for Engineering Education					
	<b>Homepage</b>						
<b>Course Information</b>	<b>Class No.</b>	TBA	<b>Course Code</b>	ITE1010	<b>Credits</b>	3	
	<b>Course Name</b>	C++ Programming					
	<b>Lecture Schedule</b>	Mon-Thu / 16:00 ~ 19:00					
	<b>Course Description</b>	In this class, we can learn about the C/C++ language and some algorithms for solving mathematical problems. Additionally, we can acquire programming skills through various examples.					
	<b>Course Objective</b>	Students can obtain the ability to solve problems using the C/C++ language. Also, students can design program architectures using OOP.					
	<b>Prerequisite</b>						
	<b>Materials/Textbooks</b>						
<b>Evaluation</b>	<b>Attendance</b>	10%	<b>Quiz</b>	%			
	<b>Assignment</b>	20%	<b>Mid-term Exam</b>	30%			
	<b>Presentation</b>	%	<b>Final Exam</b>	40%			
	<b>Group Project</b>	%	<b>Participation</b>	%			
	<b>Etc.</b>	<b>Evaluation Item</b>			<b>Ratio</b>		
					%		
			%				
<b>Daily Lecture Plan</b>	<b>Week 1</b>	Day 1	Opening Ceremony				
		Day 2	Introduction to C++ programming				
		Day 3	Variables and Data types				
		Day 4	Arrays and Pointers				
	<b>Week 2</b>	Day 1	Control Structures (conditional statements, if, if~else, etc.)				
		Day 2	Control Structures (loops, while, do~while, for, break, continue)				
		Day 3	Functions				
		Day 4	Mid-term exam				
	<b>Week</b>	Day 1	OOP (class and objects)				



	<b>3</b>	Day 2	OOP (encapsulation, inheritance, polymorphism)
		Day 3	OOP (Constructors and destructors)
		Day 4	OOP (Abstract classes and interfaces)
	<b>Week 4</b>	Day 1	Project
		Day 2	Project
		Day 3	Project
		Day 4	Final-term exam