



HANYANG UNIVERSITY

Hanyang International Summer School

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	Home University	Hanyang University					
	Department	Innovation Center for Engineering Education					
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Course Information	Class No.	18074	Course Code	ITE1010	Credits	3	
	Course Name	C++ Programming					
	Lecture Schedule	Mon-Thu / 16:00 ~ 20:00					
	Course Description	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.					
	Course Objective	Students can obtain the ability to solve problems using the C/C++ language. Also, students can design program architectures using OOP.					
	Prerequisite						
	Materials/Textbooks						
Evaluation	Attendance	10%	Quiz	%			
	Assignment	20%	Mid-term Exam	30%			
	Presentation	%	Final Exam	40%			
	Group Project	%	Participation	%			
	Etc.	Evaluation Item			Ratio		
					%		
			%				
Daily Lecture Plan	Week 1	Day 1	Opening Ceremony				
		Day 2	Introduction to C++ programming				
		Day 3	Variables and Data types				
		Day 4	Arrays and Pointers				
	Week 2	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				
	Week	Day 1	OOP (class and objects)				



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