



HANYANG UNIVERSITY

Hanyang International Summer School

Faculty Information	Name	JO, HOSUNG					
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	Home University	Hanyang University (Seoul)					
	Department	Innovation Center For Engineering Education (공학교육혁신센터)					
	Homepage						
Course Information	Class No.	18012	Course Code	GEN1031	Credits	3	
	Course Name	Creative Computing for Engineering student(Python)					
	Lecture Schedule	Tue-Fri/ 16:00~20:00					
	Course Description	<ul style="list-style-type: none"> - For engineering students, computer programming skill can be very helpful. - Giving experience and opportunities to efficiently implement creative ideas through programming. - Learning the strengths of the Python language and learn how to effectively solve various problems based on it. 					
	Course Objective	<ul style="list-style-type: none"> - Learn computational thinking - Enhance your understanding of computers and computer programming - Providing experience and learning skills in computer programming 					
	Prerequisite	-					
	Materials/Textbooks						
Evaluation	Attendance	15%	Quiz	0%			
	Assignment	15%	Mid-term Exam	30%			
	Presentation	0%	Final Exam	40%			
	Group Project	0%	Participation	0%			
	Etc.	Evaluation Item			Ratio		
					%		
Daily Lecture Plan	Week 1	Day 1	Class introduction. expressions, input and output				
		Day 2	operators				
		Day 3	if statement				
		Day 4	while statement (1)				
	Week	Day 1	while statement (2)				



	2	Day 2	Programming Practices
		Day 3	Mid-Term test
		Day 4	Lists
	Week 3	Day 1	For loops
		Day 2	Functions (1)
		Day 3	Functions (2)
		Day 4	FILE I/O
	Week 4	Day 1	Sorting algorithms (1)
		Day 2	Sorting algorithms (2)
		Day 3	Final Test
		Day 4	Graduation