



# HANYANG UNIVERSITY

## Hanyang International Summer School

<b>Faculty Information</b>	<b>Name</b>	JO, HOSUNG					
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	<b>Home University</b>	Hanyang University (Seoul)					
	<b>Department</b>	Innovation Center For Engineering Education (공학교육혁신센터)					
	<b>Homepage</b>	-					
<b>Course Information</b>	<b>Class No.</b>	TBA	<b>Course Code</b>	GEN1031	<b>Credits</b>	3	
	<b>Course Name</b>	Creative Computing for Engineering student(Python)					
	<b>Lecture Schedule</b>	Mon-Thu / 09:00~12:00 or 13:00~16:00					
	<b>Course Description</b>	<ul style="list-style-type: none"> <li>- For engineering students, computer programming skill can be very helpful.</li> <li>- Giving experience and opportunities to efficiently implement creative ideas through programming.</li> <li>- Learning the strengths of the Python language and learn how to effectively solve various problems based on it.</li> </ul>					
	<b>Course Objective</b>	<ul style="list-style-type: none"> <li>- Learn computational thinking</li> <li>- Enhance your understanding of computers and computer programming</li> <li>- Providing experience and learning skills in computer programming</li> </ul>					
	<b>Prerequisite</b>	-					
	<b>Materials/Textbooks</b>	-					
<b>Evaluation</b>	<b>Attendance</b>	15%	<b>Quiz</b>	0%			
	<b>Assignment</b>	15%	<b>Mid-term Exam</b>	30%			
	<b>Presentation</b>	0%	<b>Final Exam</b>	40%			
	<b>Group Project</b>	0%	<b>Participation</b>	0%			
	<b>Etc.</b>	<b>Evaluation Item</b>			<b>Ratio</b>		
		-			0%		
<b>Daily Lecture Plan</b>	<b>Week 1</b>	Day 1	1 Class introduction				
		Day 2	2 expressions, input and output				
		Day 3	3 operators				
		Day 4	4 if statement				
	<b>Week</b>	Day 1	5 while statement (1)				



	<b>2</b>	Day 2	6 while statement (2)
		Day 3	7 Programming Practices
		Day 4	8 Mid-Term test
	<b>Week 3</b>	Day 1	9 Lists
		Day 2	10 For loops
		Day 3	11 Functions (1)
		Day 4	12 Functions (2)
	<b>Week 4</b>	Day 1	13 Sorting algorithms (1)
		Day 2	14 Sorting algorithms (2)
		Day 3	15 Programming Practices
		Day 4	16 Final test