



# HANYANG UNIVERSITY

## Hanyang International Summer School

<b>Faculty Information</b>	<b>Name</b>	HOSUNG JO				
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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>	ISS1202	<b>Credits</b>	3
	<b>Course Name</b>	Creative Computing and Data with Python				
	<b>Lecture Schedule</b>	Monday-Saturday / 09:00 ~ 12:00				
	<b>Course Description</b>	- Giving experience to implement ideas and handle Data. - Learning how to effectively solve various problems based on it.				
	<b>Course Objective</b>	- Enhance your understanding of computer programming - Providing experience and learning skills in computer programming				
	<b>Prerequisite</b>	- None				
	<b>Materials/Textbooks</b>	- None				
<b>Evaluation</b>	<b>Attendance</b>	20%	<b>Quiz</b>	0%		
	<b>Assignment</b>	10%	<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>	
<b>Daily Lecture Plan</b>	Day 1	- Class introduction, Expressions and Operators				
	Day 2	- Function and Modules 1				
	Day 3	- Control statement 1 - If conditional statement				
	Day 4	- Control statement 2 - While loops statement				
	Day 5	- Control statement 3 – For loops statement				
	Day 6	- Data Structure: List and Binary Search				
	Day 7	- Midterm test				
	Day 8	- Function and Modules 2 – User-defined Functions				
	Day 9	- Function and Modules 3 – Recursion Functions				
	Day 10	- Sorting Algorithms: Selection sort and Advanced				
	Day 11	- Sorting Algorithms: Insertion sort and Advanced				
	Day 12	- Sorting Algorithms: Quick sort and Advanced				
	Day 13	- Sorting Algorithms: Counting sort and Advanced				
	Day 14	- File IO and Data Analysis				
	Day 15	- Final test				