



HANYANG UNIVERSITY

Hanyang International Summer School

Faculty Information	Name	HOSUNG JO				
	E-mail	ustog@hanyang.ac.kr				
	Home University	Hanyang University (Seoul)				
	Department	Innovation Center For Engineering Education (공학교육혁신센터)				
	Homepage					
Course Information	Class No.	18037	Course Code	ISS1202	Credits	3
	Course Name	Creative Computing and Data with Python				
	Lecture Schedule	Monday-Saturday / 09:00 ~ 12:00				
	Course Description	- Giving experience to implement ideas and handle Data. - Learning how to effectively solve various problems based on it.				
	Course Objective	- Enhance your understanding of computer programming - Providing experience and learning skills in computer programming				
	Prerequisite	- None				
	Materials/Textbooks	- None				
Evaluation	Attendance	20%	Quiz	0%		
	Assignment	10%	Mid-term Exam	30%		
	Presentation	0%	Final Exam	40%		
	Group Project	0%	Participation	0%		
	Etc.	Evaluation Item			Ratio	
Daily Lecture Plan	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				