## Syllabus of 1st Semester, 2023

Course Title	INTRODUCTION TO PUTERS AND PROC		Course Code	CB150	1007	Section	(	003
Department	Computer Enginee Major	ering	Level	1st y	ear	Credit-Theor	4.0 - 4	4.0 - 0.0
Class Hours & Classroom	Tue 10:30(100) 201-6408, Thu 10:30(100) 201-6408							
Lecturer	Wies Crup	(C	Office Counsel room)			Counsel Hou	rs	
	Woo, Gyun		Telephone	351	.8	E-mail	woogyun@	pusan.ac.kr
Lesson Style	· 대면 · Teacher-centered learning, Experiment							
Evaluation Method	* Students with disabilities can request an extension of the exam hour, and they can take exams by getting writing assistance or by using a computer.							
Competitors and Knowledge								
Objective	<ol> <li>Obtaining the basic concepts of the computer system (the computer architecture and the machine cy cle).</li> <li>Understanding the concepts of data type, the data representation methods, and the operations of the data.</li> <li>Learning the basic programming concepts and exercising programming using Python.</li> </ol>							
	This course introduces the fundamentals of computer systems from both the hardware and the software aspects. Also, the hardware architecture and how the software is in operation using machine cycles are also introduced. This course also provides problem-solving methods, i.e. how to program, using Python.  * Students with disabilities can negotiate with the Disabled Student's Academic Support Center regarding course materials and assignments.							
Lecture Overview	also introduced. The * Students with dis	his cours sabilities	se also provid can negotiat	les problem-so	olving meth	ods, i.e. how t	to program, us	ing Python.
	also introduced. The * Students with dis	his cours sabilities	se also provid can negotiat nments.	les problem-so	olving meth sabled Stud	ods, i.e. how t	to program, us	ing Python.
Overview	also introduced. The * Students with dis	his cours sabilities nd assig	can negotiat nments.  Course an	des problem-so ce with the Dis	olving meth sabled Stud	ods, i.e. how t	to program, us	ing Python.
Overview	also introduced. The * Students with discourse materials and	his cours sabilities nd assig	can negotiat nments.  Course an	des problem-so ce with the Dis	olving method sabled Studential S	ods, i.e. how t	o program, us c Support Cent	ing Python. ter regarding Higher
Overview  BNU 8Point Core	also introduced. The * Students with discourse materials and	his cours sabilities nd assig  municati on	can negotiat nments.  Course an Convergence	des problem-so te with the Dis	olving methosabled Studenters  etencies  Service	Personality	Basic Knowledge	ing Python. ter regarding Higher
Overview  BNU 8Point Core	also introduced. The * Students with discourse materials and	his cours sabilities nd assig  municati on  Core	competencies	des problem-so te with the Dis	olving methosabled Studenters  etencies  Service	Personality  atter	Basic Knowledge	ing Python. ter regarding Higher
Overview  BNU 8Point Core	also introduced. The * Students with discourse materials and Global Culture Comments.	municati on  Core Core Con	can negotiate nments.  Course an Convergence competencies nation and techniques	des problem-so te with the Dis ad Core compe Application O s according to	olving method sabled Studenth Service	Personality  atter	Basic Knowledge  O  Ming Method	ing Python. ter regarding Higher
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BNU 8Point Core Competency	Ability for applying ematics, basic scientage and performing Ability for formula	munication  Core  core Core g informerace, and anding a g experirating eng	can negotiate nments.  Course an Convergence competencies nation and tead engineering and analyzing ments gineering probable in the probable of the probable o	des problem-so te with the Dis the with	etencies  Service  subject manni Lectur	Personality  Personality  Trair  re and Assignment, Laboratory,	Basic Knowledge O  ments and Assignments	ing Python. ter regarding  Higher thinking

Week Lecture Plan						
Week	Lesson and Lab Contents	Challenges and Other Notes				
1 Week	[Orientation and Education on Academic Misbehavior(e.g. Cheating, Plagiarism) and Safety Education on Experiment and Practice] [Orientation and Education on Academic Misbehavior(e.g. Cheating, Plagiarism) and Safety Education on Experiment and Practice] Introduction to Computer					
2 Week	Introduction to Software and Programming [Open Shource] programming using IDLE	programming assignment 1				
3 Week	Using Functions [Open Shource] programming using IDLE	programming assignment 2				
4 Week	Sequential Data Structure [Open Shource] programming using IDLE	programming assignment 3				
5 Week	Control Structures [Open Shource] programming using IDLE	programming assignment 4				
6 Week	Representing Algorithms [Open Shource] programming using IDLE	programming assignment 5				
7 Week	Recursion [Open Shource] programming using IDLE					
8 Week	Midterm Exam					
9 Week	Dictionary and Sets [Open Shource] debugging using pdb	programming assignment 6				
10 Week	Comprehension [Open Shource] debugging using pdb	programming assignment 7				
11 Week	Functional Programming [Open Source] debugging using pdb	programming assignment 8				
12 Week	Using Classes [Open Source] programming using IDLE	programming assignment 9				
13 Week	GUI [Open Source] using TkInter	programming assignment 10				
14 Week	Subclasses [Open Source] programming using IDLE	case study				
15 Week (Appointed	Summary and where to go					
16 Week	Final Exam					