Programing 2

Basic Course Information

Course Number	03005081	Subject Category	Compulsory (C)
Class Format	Lecture	Credit Type and Number of Credits	0.5
Department	Electrical and Electronics	Student Category	Year 1
Period of Study	Semester 2	Classes per Week	1
Required Materials	Materials will be uploaded on Google Classroom		
Instructor	Teerapong Orachon	Saunghninpwint Oo	

Course Objective

This course intends to introduce and help students to understand how to write program by using Python.
This course will be introduced as simple as possible in order to give more general understanding about Functions, File Input/Output, Modules, Exceptions, and User Interface.

Evaluation(Rubric)	Ideal Level of Achievement (Very Good)	Standard Level of Achievement (Good)	Unacceptable Level of Achievement (Fail)
Understanding the functions, modules, exceptions, and User Interface of Python programming.	Demonstrates very good knowledge and understanding the functions, modules, exceptions and User Interface of Python programming.	Demonstrates good knowledge and understanding the functions, modules, exceptions and User Interface of Python programming.	Lacks the appropriate knowledge and understanding the functions, modules, exceptions and User Interface of Python programming.
Understanding how to solve the drill-problem at the exercise task.	Demonstrates very good knowledge and understanding of how to solve the drill-problem at the exercise task.	Demonstrates good knowledge and understanding of how to solve the drill-problem at the exercise task.	Lacks the appropriate knowledge and understanding of how to solve the drill-problem at the exercise task.
Understanding how to summarize basic knowledge and apply to make simple application by using Python.	Demonstrates very good knowledge and understanding of to summarize basic knowledge and apply to make simple application by using Python.	Demonstrates good knowledge and understanding of how to summarize basic knowledge and apply to make simple application by using Python.	Lacks the appropriate knowledge and understanding of how to summarize basic knowledge and apply to make simple application by using Python.

Relationship with Learning Outcomes

C(1) Ability to operate and administer the computer software and hardware

C(2) Ability to understand the operating system and to develop software to solve specific problems.

Please change

Teaching Method

Outline:	Lecture, Practice and group work
Class Format:	Lecture
Please Note :	

Course Plan

Semester 2	Contents and Method of Course	Goals	Related MCC		
1st week	Review of Programming 1 Functions (Online)	Review of topics from last semester that related to this subject.	V-D	1	1
			V-D	1	6
2nd week	Functions (Online)	Can explain Functions	V-D	1	6
3rd week	Functions	Can explain Functions	V-D	1	6
4th week	Modules	Can explain Modules	V-D	1	1
5th week	Modules	Can explain Modules	V-D	1	1
			V-D	1	3
6th week	Exception	Can explain Exception			
7th week	Prepare for MidtermExam	Prepare for MidtermExam			
8th week	MidtermExam	MidtermExam			
9th week	MidtermExam	MidtermExam			
10th week	MidtermExam	MidtermExam			
11th week	Return Exam Papers and Feedback	Return Exam Papers and Feedback			
12th week	Exception	Can explain Exception	V-D	1	4
13th week	File Input/Output	Can explain File Input/Output			
14th week	File Input/Output	Can explain File Input/Output			
15th week	GUI	Can explain GUI			
16th week	GUI	Can explain GUI			
17th week	GUI	Can explain GUI			
18th week	Prepare for FinalExam	Prepare for FinalExam			
19th week	FinalExam	FinalExam			
20th week	Return Exam Papers and Feedback	Return Exam Papers and Feedback			

Do not

	Examination	Quiz	Mutual Evaluations between students	Report	Portfolio	Other
Basic Ability	20			20		
Technical Ability	20			20		
Interdisciplinary Ability	10			10		