Programming 1

Basic Course Information			
Course Number	02005085	Subject Category	Compulsory (Cl
Class Format	Lecture	Credit Type and Number of Credits	1
Department	Computer	Student Category	Year 1
Period of Study	Semester 1	Classes per Week	1
Required Materials	Python, VSCode, Google Coli	aboratory(Optional), and	d Materials will be uploaded in
Instructor	Thanyawarat Pawasopon	Saunghninpwint Oo	Pirapat Tangsuknirundom

Course Objective

Southers can understand, explain, Inclement, and solve problems by using basic computer programing such as,
"Variables, exercisions and statements", "Conditional execution", Terration", Strings", Lists: "Lucks", Set," Dictionarie
Functions", Call by Value, "Call by Reference, with Python Ingrasage.

Evaluation(Rubric)	Ideal Level of Achievement (Very Good)	Standard Level of Achievement (Good)	Unacceptable Level of Achievement (Fail)
Can explain how to write basic programs by using Python.	Can explain how to write basic programs by using Python detailedly and precisely.	Can implement basic programs by using Python.	Can't explain how to write basic programs by using Python.
Can implement basic programs by using Python.	Can implement basic programs by using Python detailedly and precisely.	Can implement basic programs by using Python.	Can't implement basic programs by using Python.
Can solve problems by using computer programs of Python,	Can solve problems by using computer programs of Python detailedly and precisely,	Can solve problems by using computer programs of Python.	Can't solve problems by using computer programs of Python.

Plaistonahip with Learning Cutoones

G11 Wide knowledge on Science and Engineering and practical ability to apply them to solve problems in the
coolety.

CI11 Ability to operate and administer the computer softwere and hardware

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Teaching Method

Clear Format:
Lecture and Practice
Clear Format:
Lecture Practice and Homework Assignments
Lecture, Practice and Homework Assignments
Please Note:
Students are required to ask any questions after sufficient self-learning.

Course Plan			
Semester 1	Contents and Method of Course	Goals	Related MCC
1st week	Guidance: Basic statements of Python	Can explain Basic statements of Python	
2nd week	Variables, expressions, operations and statements	Can explain Variables, expressions, operations and statements	V-D 1 1 V-D 1 2
3rd week	Variables, expressions, operations and statements	Can explain Variables, expressions, operations and statements	V-D 1 3
4th week	Structured Programming (Sequence, Selection, Repetition), Flowchart	Can explain Structured Programming Sequence, Selection, Repetition), Flowchart	V-D 1 2 V-D 1 2
5th week	Structured Programming (Sequence, Selection, Repetition), Flowchart	Can explain Structured Programming Sequence, Selection, Repetition), Flowchart	V-D 1 4 VI-D 1 2
6th week	Structured Programming (Sequence, Selection, Repetition), Flowchart	Can explain Structured Programming Sequence. Selection, Repetition), Flowchart	V-D 1 5
7th week	Strings	Can explain strings	V-D 1 2
8th week	Preparing for Mid-term Exam	Preparing for Mid-term Exam	
9th week	Mid-term Exam	Mid-term Exam	
10th week	Return Mid-term Exam. Feedback, Collect report	Return Mid-term Exam. Feedback, Collect report	
11th week	List and Tuples	Can explain list and tuple	V-D 1 2
12th week	List and Tuples	Can explain list and tuple	V-D 1 2
13th week	Sets and Dictionaries	Can explain sets and Dictionaries	V-D 1 2
14th week	Sets and Dictionaries	Can explain sets and Dictionaries	V-D 1 2
15th week	Functions	Can explain functions	V-D 1 6
16th week	Functions	Can explain functions	V-D 1 6
17th week	Preparing for final examination	Preparing for final examination	
18th week	Final Examination	Final Examination	
19th week	Final Examination	Final Examination	
	Return Exam Papers and Feedback, and summarize class	Review and summarize learning.	

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