PROGRAMMING WITH PYHTON

1	Course Title:	PROGRAMMING WITH PYHTON	
2	Course Code:	EKO4005	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	7	
7	ECTS Credits Allocated:	5.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Doç. Dr. VESİLE SİNEM ARIKAN KARGI	
15	Course Lecturers:	Dr. ESMA BİRİŞÇİ	
16	Contact information of the Course Coordinator:	vesa@uludag.edu.tr Uludağ Üniversitesi İktisadi ve İdari Bilimler Fakültesi A Blok 16059 Nilüfer/Bursa	
17	Website:		
18	Objective of the Course:	The Python Programming course is designed for students who has little or no programming background. It aims to explain to students the role of programming in solutions. Writing small programs improve their writing skills, allowing them to achieve useful goals.	
19	Contribution of the Course to Professional Development:	To be able to develops the ability to analyze and interpret computer programming code. To be able to monitors a written program and find errors	
20	Learning Outcomes:		
		1	To be able to designs the program flow before coding.
		2	To be able to creates the appropriate solution algorithm using flow structures and codes it with Python programming language.
		3	To be able to use the appropriate control statements for the problem.
		4	To be able to develops the ability to analyze and interpret computer programming code.
		5	To be able to analyzes, designs and codes problems with the Python programming language from an object oriented perspective.
		6	To be able to develop a whole application using object oriented programming concepts.
		7	To be able to monitors a written program and find errors
		8	
		9	
		10	
21	Course Content:		

Course Content:

Week	Theoretical	Practice
1	Programming Development 1	

2	Programming Development 2	
3	Values and Variables	
4	Expressions and Arithmetic	
5	Conditional Expressions	
6	Iterations	
7	Using Functions 1	
8	Using Functions 2	
9	Writing a Function 1	
10	Writing a Function 2	
11	Writing a Function 3	
12	Lists	
13	Linear programing	
14	Python Classes	

22	Textbooks, References and/or Other Materials:	1. Class notes 2.John Zelle Python Programming: An Introduction to Computer Science 2nd Edition. Franklin, Beedle & Associates Inc., USA, 2010. 3.Richard L. Halterman Fundamentals of Python Programming. Southern Adventist University, USA, 2016
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	1	20.00
Quiz	0	0.00
Home work-project	4	38.00
Final Exam	1	42.00
Total	6	100.00
Contribution of Term (Year) Learning Activities to Success Grade		58.00
Contribution of Final Exam to Success Grade		42.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		Classic Exam

24	**ECTS / WORK LOAD TABLE**

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	3.00	42.00
Homeworks	3	10.00	30.00
Projects	1	10.00	10.00
Field Studies	0	0.00	0.00
Midterm exams	1	15.00	15.00
Others	0	0.00	0.00
Final Exams	1	15.00	15.00
Total Work Load			169.00
Total work load/ 30 hr			5.13
ECTS Credit of the Course			5.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	4	4	5	5	4	4	4	5	5	4	4	4	0	0	0	0
ÖK2	4	4	4	5	4	4	4	4	4	5	3	4	0	0	0	0
ÖK3	4	4	5	4	4	5	5	4	4	4	5	5	0	0	0	0
ÖK4	4	4	4	4	5	4	5	4	4	4	5	4	0	0	0	0
ÖK5	4	5	4	4	4	4	4	4	4	4	4	5	0	0	0	0
ÖK6	5	4	4	5	4	5	4	4	4	4	4	4	0	0	0	0
ÖK7	4	4	4	4	4	4	4	4	4	5	4	4	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**