	MATHE	MATI	C WITH PYTHON						
1	Course Title:	MATHE	MATIC WITH PYTHON						
2	Course Code:	MAT411	0						
3	Type of Course:	Optional	ı						
4	Level of Course:	First Cyc	cle						
5	Year of Study:	4							
6	Semester:	8							
7	ECTS Credits Allocated:	6.00							
8	Theoretical (hour/week):	3.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:								
12	Language:	English							
13	Mode of Delivery:	Face to	face						
14	Course Coordinator:	Prof. Dr.	BASRİ ÇELİK						
15	Course Lecturers:	Öğr. Gö	r. Dr. Abdurrahman DAYIOĞLU						
16	Contact information of the Course Coordinator:	Dahili Te Matema	Basri ÇELİK el: 41762 tik Bölümü Oda No: 134 basri@uludag.edu.tr						
17	Website:								
18	Objective of the Course:		taken this course can design and coding for the solution of oblems with Python programming language.						
19	Contribution of the Course to Professional Development: To be able to practice the professional applications of mathematical and geometric concepts with using computer.								
20	Learning Outcomes:								
		1	Knows the preparing of solution steps of mathematical problems.						
		2	Knows the differences between algorithm and flow chard and makes a designs for problem solving.						
		3	Konows basic Python commans.						
		4	Knows the Python loop techniques and adapts them to mathematical problems.						
		5	Can produce Python codes for arrays and series.						
		6	Using matrix operations in Python codes.						
		7	Can write Python codes about counting problems and prime numbers.						
		8	Can create web forms with Python and add some functions to forms.						
		9							
		10							
21	Course Content:								
		Co	ourse Content:						
	Theoretical		Practice						
1	Presentation of the course. What is What can be done with Python?	Python?							

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12	Operations of arrays, series and vectors with Python.																		
11	syste	ems	with F	ython		and eq													
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ÖK5	0	0	5	2	0	1	4	2	5	4	0	0	0	0	0	0	
ÖK6	0	0	5	3	0	1	4	3	5	5	0	0	0	0	0	0	
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ÖK8	0	0	5	2	0	1	5	2	5	5	0	0	0	0	0	0	
LO: Learning Objectives PQ: Program Qualifications																	
Contrib ution Level:	ion				2 low			3 Medium			4 High			5 Very High			