MATHEMATICS WITH COMPUTER

1	Course Title:	MATHEN	MATICS WITH COMPUTER							
2	Course Code:	BMM1008								
3	Type of Course:	Compulsory								
4	Level of Course:	First Cycle								
5	Year of Study:	1								
6	Semester:	2								
7	ECTS Credits Allocated:	4.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	2.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:									
12	Language:	Turkish								
13	Mode of Delivery:	Face to face								
14	Course Coordinator:	Öğr. Gör. Dr. Filiz Yağcı								
15	Course Lecturers:	Nisa ÇELİK								
16	Contact information of the Course Coordinator:	gfiliz@uludag.edu.tr								
17	Website:									
18	Objective of the Course:	Through Maple commands to do mathematical operations on other courses they taught, and the Maple commands to learn on their own.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	The use and purpose of the command in Maple grip.							
		2	Maple is a mathematical process of fetching results in the encoding.							
		3	Bildiği Maple komutu yardımıyla bilmediği Maple komutlarını kodlayabilme.							
			Learning from other programming languages ??used by mathematicians, programming languages, with the help of Maple.							
		5								
		6								
		7								
		8								
		9								
		10								
21	Course Content:									
10/	Course Content:									
			Practice							
1	editor.		Maple editor's introduction, the use of the command.							
2	Elementary algebraic operations, an commands.	d	Enforcement of various examples of lectures are given to students in computer commands.							

3	Some basic commands, assignment variables, find solutions to simple eq variables not leave you alone, mathe expressions replacement.	uations,	Enforcement of various examples of lectures are given to students in computer commands.							
4	Element representation of clusters of subset, finding the subset, the numb subsets, set operations, cartesian co system commands, basic drawing commands, types of numbers used i mathematics, and questioning,	er of ordinate	Enforcement of various examples of lectures are given to students in computer commands.							
5	Calculation with the symbol of addition multiplication, absolute value, square fundamental numbers, polynomials, expressions, algebraic expressions, expansion, factorization and polynom greatest common divisor and least co multiple for the calculation.	e root and fractional nial	Enforcement of various examples of lectures are given to students in computer commands.							
6	Draw a polygon, planar graphs, the a shown on the chart and graphics, mu fonts, writing off the graphics function graphing polar coordinates, the three dimensional graphics, animated grap	ultiple ns, }- phics.	Enforcement of various examples of lectures are given to students in computer commands.							
7	Repeating courses and midterm exa	m	_	epeating courses.						
8	Representation of functions with map to one and bijective functions, the op functions, inverse function to calcula graph plotting.	erations	Enforcement of various examples of lectures are given to students in computer commands.							
9	Limits and continuity.			nforcement of various	examples of lecture	s are given to				
Activit	tes			Number	Duration (hour)	Total Work Load (hour)				
Theore	69 bgarithmic and exponential function	n vauves ons f(x)		14	2.00	28.00				
	als/Labs	5110, T (X)		14	2.00	28.00				
Self stu	fynætidnæretternværives, derivatives of	inverse		0	0.00	0.00				
Homew				1	22.00	22.00				
Project	Applications of derivatives: Increasin	a ond	E	n forcement of various	0.00					
Field S	tudies			0		0.00				
	rano concave, the turning point, maxi minimum points.	mum anu	Г	1	21.00	21.00				
Others				0	0.00	0.00				
	wariables, the partial integral method	, simple	Ist	ydents in computer co						
	fractions			querito in computer co	24.0003.	21.00				
Total W	Vork Load				24.0003.	21.00 120.00				
	Vork Load	1								
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Contribution of Term (Year) Learning Activities to Success Grade	50.00
Contribution of Final Exam to Success Grade	50.00
Total	100.00
Measurement and Evaluation Techniques Used in th Course	ne
24 ECTS / WORK LOAD TABLE	

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25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	0	0	0	5	0	0	4	0	4	4	0	0	0	0	0	0
ÖK2	0	0	0	5	0	0	4	0	4	4	0	0	0	0	0	0
ÖK3	0	0	0	5	0	0	4	0	4	4	0	0	0	0	0	0
ÖK4	0	0	0	5	0	0	4	0	4	4	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 low		3	3 Medium		4 High			5 Very High				