MATHEMATICS II										
1	Course Title:	MATHE	MATICS II							
2	Course Code:	BIL1006								
3	Type of Course:	Compuls	sory							
4	Level of Course:	First Cyc	ele							
5	Year of Study:	1								
6	Semester:	2								
7	ECTS Credits Allocated:	7.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	2.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to t	ace							
14	Course Coordinator:	Dr. Ögr.	Üyesi BAHTİYAR BAYRAKTAR							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	E-mail: bbayraktar@uludag.edu.tr, İş Tel: +90(224) 294 22 98. Adres: UÜ, Eğitim Fakültesi, İlköğretim Bölümü, Matematik Eğitimi Anabilim Dalı, 16059 Görükle / BURSA								
17	Website:									
18	Objective of the Course:	The purpose of the course is to comprehend the importance of mathematics and the basic notions of the mathematical concepts, plus to gain practice skills in this specialty.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Maximum-minimum problems can be solved.							
		2	Exponential uncertainties are known.							
		3	Graphic drawings are made.							
		4	The indefinite integral can be defined.							
		5	Techniques of integration are learnt.							
		6	Different types of the integral function can be taken with the help of methods of integration.							
		7	Properties of definite integrals are known.							
		8	Area and volume calculations using the definite integral can be made.							
		9	Concept of matrix is known. Operations related with matrices can be made.							
		10	Systems of linear equations can be solved.							
21	Course Content:									
	Course Content:									
Week	Theoretical		Practice							
1	Absolute maximum and absolute mir values of a function. Problem solving		Absolute maximum and absolute minimum values of a function. Problem solving.							

2	Indefinite integrals. Integration techni	ques.	Indefinite integrals. Integration techniques.								
3	3 Indefinite integrals. Change of vari Indefinite integrals. Change of variab		Indefinite integrals. Change of variables. Indefinite integrals. Change of variables.								
4	Indefinite integrals. Techniques of int Partial integration. Usage of trigonom equations. Integration of rational fund	netric	Indefinite integrals. Techniques of integration. Partial integration. Usage of trigonometric equations. Integration of rational functions.								
5	Indefinite integrals. Techniques of int Usage of trigonometric equations. Int of rational functions		Indefinite integrals. Techniques of integration. Usage of trigonometric equations. Integration of rational functions								
6	Indefinite integrals. Techniques of int Integration of rational functions	egration.	Te	echniques of integratio	n. Integration of rat	ional functions					
7	The concept of definite integral. Lower and Riemann sums. Leibnitz- Newtor Formula. Its Specifications. Average theorem.	າ	C	Calculation of definite integral							
8	Techniques of integral calculus. Char variables. Partial integration.	nge of	Te	echniques of integral c	alculus.						
9	Area volume and curve lengths calcuwith the definite integral	ulations		Area, volume and curve lengths calculations with the definite integral							
10	Area, volume and curve lengths calc with the definite integral	ulations	Area, volume and curve lengths calculations with the definite integral								
11	Improper integrals.		In	nproper integrals.							
Activit	tes	,		Number	Duration (hour)	Total Work Load (hour)					
Theore	Systems of linear equations and mate	rices	S	ystems of linear equati	and matrices	28.00					
Practic	als/Labs			14	2.00	28.00					
Self stu	Trextbooks, References and/or Other dy and preperation imaterials.		т. В	קר. Dr. חווווו האכן. asic and General Math	ematics. Volume I,	4th Edition.					
Homew				0.00 0.00							
Project	S		۷. ht	z Linear argebra lecture frotes, Fuar ENGEZEN. http://www.mat.itu.edu.ti/ergezen/lineer.aspx.00							
Field S	tudies			0	0.00						
Midtern	n exams		eı	ι p.//www.matemasuk.α ∵PDF	8.00	8.00 matrisi					
Others				0	0.00	0.00					
Fi A E	Assesment	i		1	20.00	20.00					
Total W	Vork Load					210.00					
	γρ <mark>ιέχλο</mark> ρηd/30 hr	1	4	0.00		7.00					
ECTS (Credit of the Course					7.00					
Home v	work-project	0	0.00								
Final E	xam	1	60.00								
Total		2	10	100.00							
	oution of Term (Year) Learning Activitiess Grade	es to	40	40.00							
Contrib	oution of Final Exam to Success Grade	9	60.00								
				100.00							
Total			10	00.00							
	rement and Evaluation Techniques Us	sed in the		00.00							

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	2	5	0	0	5	0	0	0	0	4	0	0	3	0	3	4
ÖK2	1	2	0	0	1	0	0	0	0	1	0	0	2	0	1	1
ÖK3	3	5	0	0	4	0	0	0	0	4	0	0	4	0	3	4
ÖK4	1	3	0	0	1	0	0	0	0	3	0	0	3	0	2	2
ÖK5	1	2	0	0	3	0	0	0	0	3	0	0	3	0	2	2
ÖK6	1	2	0	0	3	0	0	0	0	2	0	0	3	0	2	2
ÖK7	1	2	0	0	3	0	0	0	0	4	0	0	3	0	1	3
ÖK8	1	5	0	0	4	0	0	0	0	4	0	0	3	0	3	4
ÖK9	1	5	0	0	4	0	0	0	0	3	0	0	4	0	2	4
ÖK10	1	5	0	0	4	0	0	0	0	4	0	0	3	0	3	4
			LO: L	earr	ning (bjec	tive	s P	Q: P	rogra	m Qu	alifica	tions	5		
Contrib ution Level:	ution				2 low	w 3 Med			um	um 4 High			5 Very High			