	GENE	RAL I	MATHEMATIC II							
1	Course Title:	GENER/	AL MATHEMATIC II							
2	Course Code:	MAT109	8							
3	Type of Course:	Compuls	sory							
4	Level of Course:	First Cyc	cle classification of the control of							
5	Year of Study:	1								
6	Semester:	2								
7	ECTS Credits Allocated:	5.00								
8	Theoretical (hour/week):	4.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	No								
12	Language:	Turkish								
13	Mode of Delivery:	Face to f	ace							
14	Course Coordinator:	Prof. Dr.	İSMAİL NACİ CANGÜL							
15	Course Lecturers:	Matemat	ik bölümünün tüm öğretim üyesi ve öğretim görevlileri							
16	Contact information of the Course Coordinator:	Telefon: Adres: B	a: cangul@uludag.edu.tr n: +90 224 2941756 Bursa Uludağ Üniversitesi Fen-Edebiyat Fakültesi Matematik ü 16059 Görükle-Bursa-TÜRKİYE							
17	Website:									
18	Objective of the Course:	problems	e sufficient mathematics knowledge to solve chemical as to students and also to improve the ability of finding to problems and analytical thinking.							
19	Contribution of the Course to Professional Development:	It supplie chemists	es the fundamental mathematics knowledge necessary for s.							
20	Learning Outcomes:									
		1	Knows the concept of integral							
		2	Learns the rules of calculating integral							
		3	Calculates integral of functions							
		4	Learns the applications of integral							
		5	Knows the concept of serie							
		6	Determines whether a serie is convergent or not							
		7	Knows power series.							
		8								
		9								
21	Course Content:	10								
21	Course Content.	Co	ourse Content:							
Week	Theoretical		Practice							
1	The indefinite integral									
2	Calculating of indefinite integrals									
3	Change of variables, partial integration	on								
4	Trigonometric change of variables									
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5	Bino	mial	integr	als														
6	Rien	nann	lower	and u	ıpper	sums a	and in	tegrals	3									
7	Defir	nite ii	ntegra	ıl														
8	Midte exan		exam	and e	valua	tion of	midtei	rm										
9	Appl	icatio	ons of	defini	te inte	egratio	n											
10	Area coor			area a	ind vo	olume c	on pola	ar										
11	Surfa	ace a	area															
12	Sequ serie		e and	series	s, test	of con	veniei	nce of										
13			ries a nce ir			ergenc	e ratio	n and										
14	Taylo	or se	ries e	xpans	ion													
Textbooks, References and/or Other Materials:									[2 0: 20 [3 Se Ce [4	 [1] Genel Matematik, Mustafa Balcı, Balcı Yayınları, 2003. [2] Genel Matematik, Diferensiyel ve İntegral Hesap, Osman Bizim, Ahmet Tekcan, Betül Gezer. Dora Yayınları, 2011 [3] A First Course in Calculus, Serge Lang, World Student Series Third Edition, Addison-Wesley Publishing Company. [4] Thomas Calculus, 11. Edition, Pearson Addison-Wesley Publishing Company, 2005 								
Activit	es									Number Duration (hour						Total Work Load (hour)		
Minerceire	tiqaka	m					1		4	01 0 0			2.00			28.00		
Practica										14			2.00			28.00		
Elelfnæt v	Notyria i	polope	e pera	tion			О		0.	6 0			5.00			40.00		
Homew	vorks									2			7.00			14.00		
Propin cts	S						2		10	00.00			10.00			10.00		
Field St	tudies	S								0			0.00			0.00		
MidGen	is Gra	ade E								1			15.00)	15.00			
Others									0			0.00			0.00			
Fioral Exams								10	00.00			15.00			15.00			
Total Work Load															150.00			
ଟିର୍ଧ୍ୟାଞ୍ଚିତrk load/ 30 hr									Щ							5.00		
ECTS Credit of the Course																5.00		
25				CON	TRIE	BUTIO	N OI			NING LIFIC			S TO	PROC	GRAM	ME		
	F	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16	
											U			3				

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	3	0	0	0	3	4	0	0	4	0	4	0	0	0	0
ÖK2	0	3	0	0	0	3	4	0	0	4	0	4	0	0	0	0
ÖK3	0	3	0	0	0	3	4	0	0	4	0	4	0	0	0	0
ÖK4	0	3	0	0	0	3	4	0	0	4	0	4	0	0	0	0

ÖK5	0	3	0	0	0	3	4	0	0	4	0	4	0	0	0	0
ÖK6	0	3	0	0	0	3	4	0	0	4	0	4	0	0	0	0
ÖK7	0	3	0	0	0	3	4	0	0	4	0	4	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 low			3 Medium			4 High			5 Very High				