	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	ele						
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	n: cangul@uludag.edu.tr : +90 224 2941756 Bursa Uludağ Üniversitesi Fen-Edebiyat Fakültesi Matematik ı 16059 Görükle-Bursa-TÜRKİYE						
17	Website:								
18	Objective of the Course:	problems	re sufficient mathematics knowledge to solve chemical ns to students and also to improve the ability of finding to problems and analytical thinking.						
19	Contribution of the Course to Professional Development:	It supplied 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							
	lo o	10							
21	Course Content:		- Comtont						
\\\\a\\\	Theoretical	Co	purse Content:						
	The indefinite integral		Practice						
2	The indefinite integral Calculating of indefinite integrals								
3	Change of variables, partial integration	on							
_		011							
4	Trigonometric change of variables								

5	Bino	mial	integr	als														
6	Riem	nann	lower	and u	ıpper	sums a	and in	tegral	3									
7	Defin	nite ii	ntegra	d														
8	Midte exam		exam	and e	valua	tion of	midter	m										
9	Appli	icatio	ons of	defini	te inte	egratio	n											
10	Area coord			area a	nd vo	olume c	n pola	ar										
11	Surfa	ace a	area															
12	Sequ serie		e and	series	s, test	of con	venier	nce of										
13	Power series and its convergence ration and convergence interval																	
14	Taylo	or se	ries e	xpans	ion													
22	Textbooks, References and/or Other Materials:									 [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 								
Activites									Number Duration (hour)						Total Work Load (hour)			
Thereise	ki oraka	m					1		40	<u>1do</u>			2.00			28.00		
Practica									\rightarrow	14			2.00		2	28.00		
Belfnet v	wdyrlan	polope	e pera	tion			0		0.0	3 0			5.00			40.00		
Homew	vorks									2			7.00		,	14.00		
P oojact	:S						2		10	0.00			10.00		·	10.00		
Field S	tudies	3								0			0.00		(0.00		
Midden	is Gra	ade ade								1			15.00		,	15.00		
Others	Others									0			0.00		(0.00		
Fiotal Exams							10	0.00			15.00		•	15.00				
Total Work Load														,	150.00			
<u> </u>									5.00						5.00	.00		
ECTS Credit of the Course														į	5.00			
25				CON	TRIE	BUTIO	N OI			IING (_	S TO I	PROC	SRAMI	ME		
	F	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	

25	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				