ABSTRACT ALGEBRA I										
1	Course Title:	ABSTRA	CT ALGEBRA I							
2	Course Code:	MAT620	1							
3	Type of Course:	Optional								
4	Level of Course:	Third Cy	cle							
5	Year of Study:	1								
6	Semester:	1								
7	ECTS Credits Allocated:	5.00								
8	Theoretical (hour/week):	3.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to f	ace							
14	Course Coordinator:	Prof. Dr.	İSMAİL NACİ CANGÜL							
15	Course Lecturers:	Prof. Dr. Süleyman ÇİFTÇİ, Doç. Dr. Ahmet TEKCAN, Yrd. Doç. Musa DEMİRCİ, Yrd. Doç. Dr. Hacer ÖZDEN								
16	Contact information of the Course Coordinator:	cangul@uludag.edu.tr, 0 224 2941756, Fen-Edebiyat Fakültesi, Matematik Bölümü, Görükle / Bursa								
17	Website:									
18	Objective of the Course:	The aim of this course is to teach former algebraic notions intensively and in detail and to maket hem differentiate between results on different algebraic structures								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Can list the transformations between algebraic structures and their properties							
		2	Knows the advanced notions on algebraic structures							
		3								
		4								
		5								
		6								
		7								
		8								
		9								
		10								
21	Course Content:									
		Co	urse Content:							
Week	Theoretical		Practice							
1	Algebraic transformations									
2	Properties of algebraic transformatio	ns								
3	Isomorphism theorems									
4	p-groups									

5	Stru	cture	of p-	groups	 3													
6		Sylow theorems																
7		Group representations																
8		Rings and domains																
9		Ring mappings																
10	Subrings and subfields																	
11		Ideals																
12	Quo	Quotient rings																
13	Cha	Characteristic																
14	Gro	Group action on a set																
22	Textbooks, References and/or Other Materials:							2. Jo 3.	Lecture Notes, İsmail Naci Cangül     Elementary Number Theory, Gareth Jones & Mary Jones, Springer     A First Course in Abstract Algebra, John B. Fraleigh,     A First Course in Abstract Algebra, Joseph J. Rotman									
23	Ass	esme	ent															
TERM L	RM LEARNING ACTIVITIES					N F	IUMBE	: w	EIGHT									
Midtern	n Fx	am							٥.	00								
Activites								Number Du				ation (hour) Total Work Load (hour)						
Finedre	Fined Fexagn 1							70	70140				3.00 42.00					
	Practicals/Labs								0					0.00				
Sentuloution of There rates Learning Activities to							30	30120					84.00					
Homeworks Contribution of Final Exam to Success Grade Projects								3					36.00					
	<u> </u>									0						0.00		
	Field Studies /ស្រាស់ Techniques Used in the																0.00	
Others									0							0.00		
Final F	inal Exams									1							33.00	
Total Work Load									1					195.00				
Total work load/ 30 hr															6.50			
ECTS Credit of the Course														5.00				
								_		01176	20115							
25	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	3	0	2	5	4	0	3	0	0	0	0	0	0	0	
ÖK2		0	3	3	0	2	5		0	3	0	0	0	0	0	0	0	
			I	_O: L	.earr	ning C	Objec	ctives	s I	PQ: P	rogra	ım Qu	alifica	tions	5			
Contrib 1 very low 2 lution Level:		2 low		3 1	Med	dium 4 High			h	5 Very High								