ABSTRACT ALGEBRA I									
1	Course Title:	ABSTRA	ACT ALGEBRA I						
2	Course Code:	MAT6201							
3	Type of Course:	Optional							
4	Level of Course:	Third Cycle							
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 face							
14	Course Coordinator:	Prof. Dr. İSMAİL NACİ CANGÜL							
15	Course Lecturers:	Prof. Dr. Süleyman ÇİFTÇİ, Doç. Dr. Ahmet TEKCAN, Yrd. Doç. Dr. 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							
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		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	Structure of p-groups							
6	Sylow theorems							
7	Group representations							
8	Rings and domains							
9	Ring mappings							
10	Subrings and subfields							
11	Ideals							
12	Quotient rings							
13	Characteristic							
14	Group action on a set							
22	Textbooks, References and/or Other Materials:		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	Assesment							
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT					
Midterr	n Exam	0	0.00					
Quiz		0	0.00					
Homew	vorks, Performances	3	30.00					
Final E	xam	1	70.00					
Total		4	100.00					
Contribution of Term (Year) Learning Activities to Success Grade			30.00					
Contribution of Final Exam to Success Grade			70.00					
Total			100.00					
Measurement and Evaluation Techniques Used in the Course								
24	ECTS / WORK LOAD TABLE							
Λ otiv (it			Number Duration (bour) Total Work					

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	6.00	84.00
Homeworks, Performances	3	12.00	36.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	33.00	33.00
Total Work Load			195.00
Total work load/ 30 hr			6.50
ECTS Credit of the Course			5.00

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	0	ფ	3	0	2	5	4	0	3	0	0	0	0	0	0	0
ÖK2	0	3	3	0	2	5	4	0	3	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	ution 1 very low 2 low			3 Medium			4 High		5 Very High							