		EBRA II					
1	Course Title:	ALGEBR	A II				
2	Course Code:	MAT520	6				
3	Type of Course:	Optional					
4	Level of Course:	Second (Cycle				
5	Year of Study:	1					
6	Semester:	2					
7	ECTS Credits Allocated:	6.00					
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. Musa DE	Süleyman ÇİFTÇİ, Doç. Dr. Ahmet TEKCAN, Yrd. Doç. Dr. :MİRCİ, Yrd. Doç. Dr. Hacer ÖZDEN				
16	Contact information of the Course Coordinator:	cangul@uludag.edu.tr, 0224 2941756, Fen-Edebiyat Fakültesi, Matematik Bölümü					
17	Website:						
18	Objective of the Course:	The aim of the course is to extend the algebraic notions learned at undergraduate level and give advanced algebra topics.					
19	Contribution of the Course to Professional Development:						
20	Learning Outcomes:						
		1	Can define algebraic structures.				
		2	Can give examples of algebraic structures.				
		3	Can give examples of different situations on different algebraic structures.				
		4					
		5					
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		10					
21	Course Content:						
		Со	urse Content:				
	Theoretical		Practice				
	1 Review of groups						
2	Review of rings, domains and fields						
3	Fundamental notions of Galois theory						
4	Roots of unity and Galois extensions						
5	Galois groups of quadratic, cubic and	d quartics					
6	Roots, radicals and real numbers						

7	Domains and fields						
8	Structure of finite fields						
9	Classification of finite fields						
10	Solvability of equations with radicals						
11	Norm and trace						
12	Simple extensions						
13	Seperable extensions						
14	Cyclotomic extensions						
22	Textbooks, References and/or Other Materials:		Algebra : A Graduate Course, I. Martin Isaacs, Algebra, Michael Artin				
23	Assesment						
TERM LEARNING ACTIVITIES NUMBE R			WEIGHT				
Midtern	n Exam	0	0.00				
Quiz		0	0.00				
Home work-project		3	30.00				
Final Exam 1		1	70.00				
Total 4		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						

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	8.00	112.00
Homeworks	3	16.00	48.00
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	30.00	30.00
Total Work Load			232.00
Total work load/ 30 hr			7.73
ECTS Credit of the Course			6.00

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	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	2	0	0	3	0	0	3	3	0	0	0	0	0	0	0	0
ÖK3	0	4	0	3	5	0	0	4	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:		2	2 low		3	3 Medium		4 High		5 Very High						