	TEAC	HING	OF ALGEBRA						
1	Course Title:	TEACHI	NG OF ALGEBRA						
2	Course Code:	İMT4116							
3	Type of Course:	Optional							
4	Level of Course:	First Cyc	le						
5	Year of Study:	4							
6	Semester:	8							
7	ECTS Credits Allocated:	4.00							
8	Theoretical (hour/week):	3.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:								
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	face						
14	Course Coordinator:	Prof. Dr.	RIDVAN EZENTAŞ						
15	Course Lecturers:	Prof.Dr. Rıdvan EZENTAŞ Prof.Dr. Murat ALTUN							
16	Contact information of the Course Coordinator:	rezentas@uludag.edu.tr 0224 2942287							
17	Website:								
18	Objective of the Course:	To examine the historical development of algebra, to determine and discuss algebra issues in the curriculum, to examine students' learning difficulties and misconceptions, to evaluate the role of technology in algebra learning and teaching, to introduce and implement the methods used in algebra learning and teaching.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Knows the subjects of algebra in the curriculum.						
		2	Knows the different methods of teaching algebra subjects.						
		3	Realize the learning difficulties, misconceptions and solution suggestions encountered in algebra subjects.						
		4	Understands how students plan their lesson based on algebraic thinking processes.						
		5	Evaluates the use of technology in algebra teaching and learning.						
		6	Understand how to create learning environments that support algebra teaching and learning.						
		7							
		8							
		9							
		10							
21	Course Content:								
		Co	ourse Content:						
	Theoretical		Practice						
1	Introduction, Explanation of Course and Processing, Introduction of Reso Giving the Representation, What is A Historical development of algebra.	ources,							

2	appro	hat is algebraic thinking? Different proaches to the development of algebraic nking																		
3		portance of algebraic thinking for athematics teaching																		
4		gebra in mathematics teaching programs																		
5	Alge	gebra in mathematics teaching programs																		
6	An o	overview of algebra teaching and learning																		
7	Com	mon	meth	ods us	sed in	algebr	ra tead	ching												
8	Com	mon	meth	ods us	sed in	algebr	ra tead	ching												
9	Midte	ommon methods used in algebra teaching dterm Exam																		
10		udents' learning difficulties and sconceptions in algebra issues																		
11						es and issues														
12	Use o algeb	e of technology in teaching and learning																		
13	Use o algeb	e of technology in teaching and learning ebra																		
14	How	w to plan an effective algebra course?																		
22		xtbooks, References and/or Other terials:								Altun, M. (2008), İlköğretim ikinci kademe matematik öğretimi, aktüel yayıncılık Baykul, Y. (2004), İlköğretimde matematik öğretimi 6-8 sınıflar için, Pegem A yayıncılık										
Activit	Activites								Numb		udam I		Duration (hour) Total							
Theore	Theoretical							Ge	wijijams, <del>J. (2010). пкој urve опаоки matematuji.</del> Gelişimsel yaklaşımla öğretim.(S. Durmuş, Çev.). Ankara:											
Practic	Practicals/Labs									-		3	0.00							
Self-Stu	dy an	sme id pr	nt epera	tion					1	14						14.00				
Homew	vorks								0	0						0.00				
Riejest	ĥ Exa	m					1		40	40,00						0.00				
Field S	tudies	;							C	0						0.00				
Midthern	W of Kay	ofKephoject 0								0.00						25.00				
Others										0						0.00				
Final E	xams 2								10	100.00						35.00				
Total W	Vork L	oad													116.00					
<del>୬</del> ଼ନଷୋ <i>ବ</i> ନ	iðrælg	<b>: \8</b>	30 hr													3.87				
ECTS Credit of the Course															4.00					
Total	Total								100	100.00										
Measu Course		nt an	d Eva	luatio	n Tec	hnique	s Use	d in th	e											
24	ECT	'S /	WO	RK L	OAD	TAB	LE													
25		CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																		
	P	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16			
ÖK1	1		0	2	0	3	0	0	3	0	0	2	0	0	0	0	0			
ÖK2	2	2	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0			

ÖK3	0	0	0	2	0	1	0	0	1	1	1	0	1	0	0	0	
ÖK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LO: Learning Objectives PQ: Program Qualifications																	
Contrib ution Level:	-				2 low			3 Medium			4 High			5 Very High			