	MISCONCEPTION	IS IN I	MATHEMATICS TEACHING						
1	Course Title:	MISCON	NCEPTIONS IN MATHEMATICS TEACHING						
2	Course Code:	İMÖ4003	3						
3	Type of Course:	Compuls	sory						
4	Level of Course:	First Cyc	le						
5	Year of Study:	4							
6	Semester:	7							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	2.00							
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:	Doç. Dr.	HATİCE KÜBRA GÜLER SELEK						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	rezentas 0224 294 Uludağ Ü Bilimleri	as@uludag.edu.tr 2942287 ğ Üniversitesi Eğitim Fakültesi, E Blok, Matematik ve Fen eri Bölümü, Matematik Eğitimi ABD.						
17	Website:								
18	Objective of the Course:	The main aim of this study is to examine misconceptions associated with different mathematics concepts and to discuss contemporary teaching strategies to overcome these misconceptions.							
19	Contribution of the Course to Professional Development:	Creates and develops the knowledge base of the prospective teacher. Comprehends the concepts related to the field and the relations between concepts based on the competencies gained in secondary education. Have defines and analyzes problems related to his field, and develops solutions based on evidence and research.							
20	Learning Outcomes:								
		1	Defines misconception						
		2	Exemplifies common misconceptions associated with different mathematics concepts						
		3	Implements inquiry techniques that reveal the thinking process of elementary school students						
		4	Suggests solution proposals for conceptual misconceptions						
		5	Prepares lesson plans for overcoming misconceptions						
		6							
		7							
		8							
		9							
	Course Content	10							
21	Course Content:								
10/	The exertical	Co	Durse Content:						
vveek	I neoretical	difficultur	Practice						
1	Semester plan, Mathematical error, of and misconception	afficulty							

2	Cause of misconception and types																			
3	misconceptions regarding basic operations																			
4	misconceptions regarding exponents and roots																			
5	misconceptions regarding fractions																			
6	misc ratio	once	eption	s rega	rding	integer	rs, rate	e and												
7	misc	once	ption	s rega	rding	algebra	a													
8	misc	once	eption	s rega	rding	measu	irment	:												
9	misc	once	eption	s rega	rding	geome	etry													
10	misc prob	once abilit	eption: y	s rega	rding	data ai	nd													
11	Inves misc	stiga once	ting st	tudent S	s' pra	ctices o	on													
12	Inves misc	stiga once	ting steptions	tudent S	s' pra	ctices o	on													
13	Inves misc	stiga once	ting st	tudent s	s' pra	ctices o	on													
14	Investigating students' practices on misconceptions																			
22	Textl Mate	book erials	s, Rei :	ferenc	es an	d/or Ot	ther		Ha (20 ÇĈ	Hatice Akkoç, Mehmet Fatih Özmantar, Erhan Bingolbali (2008) MATEMATİKSEL KAVRAM YANILGILARI VE ÇÖZÜM ÖNERİLERİ, Pegem Akademi										
Activites								٦	Numb	er		Dura	Duration (hour)			Total Work Load (hour)				
Theoretical										4			2.00			28.00				
Practicals/Labs									C	)			0.00			0.00				
Self study and preperation									1			1.00			11.00					
Homeworks									1	1				10.00			10.00			
Projects										40.00				0.00			0.00			
Field Studies									C	)			0.00			0.00				
Midterm exams								60 <sup>1</sup>	60.00				20.00			20.00				
Others								C	)			0.00		0.00						
Final Exams									1	1 Techniques queb as los				iaauaai	20.00					
Total Work Load																	89.00			
Total work load/ 30 hr								fina mo	final exams are taken in				to consideration in t			2997				
ECTS Credit of the Course															:	3.00				
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																			
	F	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16			
ÖK1	2	2	3	2	3	0	0	0	0	0	0	0	0	0	0	0	0			
ÖK2	(	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
ÖK3	C	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
ÖK4	(	C	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
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 low			3 Medium			4 High			5 Very High			