	PROBLEM S	OLVII	NG IN MATHEMATICS						
1	Course Title:	PROBLE	M SOLVING IN MATHEMATICS						
2	Course Code:	İMÖ4001	1						
3	Type of Course:	Compuls	sory						
4	Level of Course:	First Cyc	le						
5	Year of Study:	2							
6	Semester:	3							
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:	Yok							
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	ace						
14	Course Coordinator:	Doç. Dr.	YELİZ YAZGAN						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:		224.2755024 azgany@uludag.edu.tr						
17	Website:								
18	Objective of the Course:	The aim of this course is to discuss the place of problem solving in mathematics education and the methods of providing students with problem solving skills.							
19	Contribution of the Course to Professional Development:	The perspectives of the students taking the course about problem solving will expand and therefore they will understand the importance of its teaching.							
20	Learning Outcomes:								
		1	Understanding what is problem and problem solving						
		2	Appreciating the importance of problem solving						
		3	Knowing the types of problems						
		4	Understanding the stages of problem solving						
		5	Having knowledge about routine problem solving and						
		6	teaching Having knowledge about non-routine problem solving and teaching						
		7	Understanding problem posing and its importance						
		8	Using problem posing strategies						
		9							
		10							
21	Course Content:								
		Co	ourse Content:						
Week	Theoretical		Practice						
1	What is problem and problem solvin	g?							
2	Importance and goals of teaching prosolving	oblem							
3	Classifications of problems								
4	Stages of problem solving								

5	Routine and un															
6	Routine problem solving (Separating the problem into parts, evaluating the solution)															
7	Routine probler					olution	ns for									
8	Routine probler					olutior	ns for									
9	Non-ro system															
10	Non-ro drawing					king a	1									
11																
12	Non-ro reason		roblem	solvii	ng (ma	king a	table	,								
13	Probler	n posii	ng (def	nition	, impor	tance)									
14	Probler	n posii	ng (stra	tegies	s)											
22	Textbo Materia		eferenc	es an	d/or O	ther										
23	Assesr	nent														
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Activit	es								Numb	er		Dura	ition (,	Total W Load (h	
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Practica	als/Labs	 ;							0			0.00			0.00	
Total Self stu	ıd <u>y</u> and	preper	ation			Z			0.00			0.00			0.00	
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Others									0			0.00		0.00		
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ECTS (Credit of	the C	ourse												3.00	
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	PQ	1 PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

ÖK4

Contrib	I			earning Objec			tives PQ: P			rogram Qualifica 4 High			tions 5 Very High			
ÖK7 ÖK8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1