	PROBLEM SETTING IN MATHEMATICS								
1	Course Title:	PROBL	EM SETTING IN MATHEMATICS						
2	Course Code:	İMÖ0022							
3	Type of Course:	Optional							
4	Level of Course:	First Cycle							
5	Year of Study:	2							
6	Semester:	3							
7	ECTS Credits Allocated:	4.00							
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 face							
14	Course Coordinator:	Prof. Dr	. ÇİĞDEM ARSLAN						
15	Course Lecturers:	yok							
16	Contact information of the Course Coordinator:	arslanc@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	The aim of this course is to support the development of pre-service mathematics teachers' problem solving and posing skills in the field of mathematics education, based on the "Teaching with Problem Posing" approach, which has increased in importance in the field of mathematics education recently. In addition, by addressing the problem posing and solving discussions in the literature on mathematics education, it will be tried to increase the awareness of pre-service teachers on this subject.							
19	Contribution of the Course to Professional Development:	Mathematics teacher candidates will gain the competence to teach problem posing methods and to evaluate the posed problems.							
20	Learning Outcomes:								
		1	Understanding the significance of problem posing						
		2	Understanding meaning of problem posing						
		3	Understanding problem posing strategies						
		4	Evaluation of problem posing						
		5							
		6							
		7							
		8							
		9							
		10							
21	Course Content:								
		C	ourse Content:						
Week	Theoretical		Practice						
1	What is problem and problem posing								
2	The importance of teaching problem								
3	Recent developments in problem po	sing							

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5	Problem posing strategies							\perp									
6	Free problem posing																
7	Semi-structured problem posing																
8	Structured problem posing																
9	Posing non routine problems																
10	Posing	Posing a mathematical literacy problem															
11	Evaluat	Evaluation of problem posing															
12	Problem posing rubrics																
13	Discussing examples of problem posing																
14	General evaluation																
22	Textbooks, References and/or Other Materials:							G N	Van De Wale (2012). İlkokul ve Ortaokul Matematiği Gelişimsel Yaklaşımla Öğretim (Çev. Ed. Soner Durmuş), Nobel Akademik Yayıncılık, Ankara. Polya,G.(2017). Nasıl Çözmeli, Tübitak, Ankara								
23	Assesm	ent															
TERM L	EARNIN	G ACTI	VITIES				NUMBE R	·	WEIGHT								
Midtern	Midterm Exam 1						4	40.00									
Quiz	Quiz 0						0	0.00									
Activites 0								Number Duration (hour) Total Wo									
Checuitetician of Term (Year) Learning Activities to						4	40100 2.00 28.0					28.00					
Practica	Practicals/Labs								0			0.00	0.00			0.00	
Sentrib	Self study and preperation to Success Grade							6	5.00 70.0				70.00				
Homeworks								1			20.00	20.00			20.00		
Measurement and Evaluation Techniques Used in the							e w	written examination				0.00			0.00		
	Field Studies								0				0.00			0.00	
Midtern	Address exams								1 1.				1.00			1.00	
Others									0 0.00						0.00		
Final E	al Exams								1 1.00				1.00				
Total W	ork Loa	d										121.00					
Total w	ork load	/ 30 hr											4.00				
ECTS (Credit of	the Co	urse										4.00				
25			CON	TRIE	UTIO	N C			NING ALIFIC			S TO I	PROC	SRAM	ME		
	PQ	PQ2	PQ3	PQ4	PQ5	PQ	PQ7	PQ	B PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK2	0	0	0	0	0	4	4	0	0	0	0	0	0	5	0	0	
ÖK3	0	5	0	0	0	4	0	0	0	0	0	0	0	4	0	0	
ÖK4	4	0	0	0	0	4	0	0	0	0	0	0	0	4	0	0	
			LO: L	earr	ning C	bje	ctives	5	PQ: P	rogra	m Qu	alifica	tions	<u> </u>		•	

The place of problem posing in the mathematics curriculum

Contrib	1 very low	2 low	3 Medium	4 High	5 Very High
ution					
Level:					