TEACHING OF PROBABILITY AND STATISTICS								
1	Course Title:	TEACHI	NG OF PROBABILITY AND STATISTICS					
2	Course Code:	İMÖ3004						
3	Type of Course:	Compulsory						
4	Level of Course:	First Cycle						
5	Year of Study:	3						
6	Semester:	6						
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:	None						
12	Language:	Turkish						
13	Mode of Delivery:	Face to face						
14	Course Coordinator:	Doç. Dr. GÜL KALELİ YILMAZ						
15	Course Lecturers:	Doç. Dr.	GÜL KALELİ YILMAZ					
16	Contact information of the Course Coordinator:	gulkaleli@uludag.edu.tr						
17	Website:							
18	Objective of the Course:	The main aim of this study is to examine basic concepts in probability and statistics, and discuss contemporary teaching strategies to teach these concepts.						
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	Explains the importance of probability and statistics in mathematics teaching					
		2	Calculates the probability of a given situation					
		3	Explains the meaning of basic statistics concepts					
		4	Exemplifies daily life application of probability and statistics					
		5						
		6						
		7						
		8						
		9						
		10						
21	Course Content:							
		Co	ourse Content:					
Week	Theoretical		Practice					
1	Data collection							
2	Data organization and analysis,							
3	Distribution concept, frequency distr	ibutions						
4	Central tendency and variability							

5	Basic co	ncepts	s in pro	obabil	ity			T									
6	Types of probability																
7	Probabil	Probability simulations and distributions															
8	Teachin	eaching probability and statistics															
9		Teaching basic concepts about probability and statistics															
	Misconceptions about probability and statistics																
	Relationship of probability and statistics with daily life and other lessons																
	Manipulatives for teaching probability and statistics																
	Technologies for in teaching probability and statistics																
14	Example applications																
22	Textbooks, References and/or Other Materials:							B	Altun, M. (2018). Ortaokullarda matematik öğretimi (13. Baskı). Aktüel Yayıncılık, Bursa. Van de Walle, J.A., Karp, K.S., & Bay Williams, J.M. (2013). Elementary and middle school mathematics:								
									Teaching developmentally. 8th Edition. Boston: Pearson.								
	Assesm					-											
	Activites NUMBE						: W	Number			Dura	Duration (hour)			Total Work Load (hour)		
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Practica	cticals/Labs								0 0.00				0.00				
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	neworks cess Grage							_	14							28.00	
	ess Grade Cts							+	0				0.00			0.00	
	Studies							11	0 0.00 100.00 8.00								
Others	rm exams								0				0.00			0.00	
Course								Т	1				14.00			14.00	
	Work Load								14.00			128.00					
	work load/ 30 hr													4.00			
	Credit of		urse												4.00		
25																	
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	8 PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16	
ÖK1	2	4	2	3	2	5	2	2	2	2	2	2	2	3	4	2	
ÖK2	2	4	1	3	2	5	4	2	2	2	2	2	2	3	4	2	
ÖK3	2	4	2	3	2	5	4	2	2	2	2	2	2	3	4	2	
ÖK4	4	4	2	3	2	5	4	2	2	2	2	2	2	3	4	2	
		<u> </u>	LO: I	.earr	ina ()bied	ctives		PQ: P	rogra	ım Qıı	alifica	tions	 }			
LO: Learning Objectives PQ: Program Qualifications																	

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