MATHEMATICS EDUCATION IN EARLY CHILDHOOD								
1	Course Title:	MATHEMATICS EDUCATION IN EARLY CHILDHOOD						
2	Course Code:	OKU2203						
3	Type of Course:	Compuls	sory					
4	Level of Course:	First Cycle						
5	Year of Study:	2						
6	Semester:	3						
7	ECTS Credits Allocated:	5.00	5.00					
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:	Dr. Ögr.	Dr. Ögr. Üyesi MERAL TANER DERMAN					
15	Course Lecturers:	Yok	Yok					
16	Contact information of the Course Coordinator:	Dr. Öğr. Üyesi Meral TANER DERMAN mtaner@uludag.edu.tr 0224 2942184 Adres: Bursa Uludağ Üniversitesi Eğitim Fakültesi Temel Eğitim Bölümü Görükle Yerleşkesi Nilüfer / Bursa						
17	Website:							
18	Objective of the Course:	The aim of this course is to help prospective early childhood education teachers know mathematical concepts, comprehend mathematical thinking skills, be aware of early childhood mathematics education and its importance, understand appropriate methods and techniques in teaching mathematics concepts, plan, apply and evaluate mathematical activities which are developed for preschool children, and have general knowledge about various mathematics education programs.						
19	Contribution of the Course to Professional Development:	Students know the development of mathematical thinking skills in early childhood. Explain different approaches regarding the development of mathematical thinking. Use appropriate methods and techniques in teaching mathematical concepts. Teach concepts of mathematics by integrating with other disciplines. Make arrangements in activities in accordance with the development of children. Examine and evaluate preschool math program.						
20	Learning Outcomes:							
		1	To have and apply the knowledge of early childhood mathematics education					
		2	To know the importance of mathematics education in preschool period					
		3	To explain the development of mathematical concepts in preschool period					
			To use appropriate methods and techniques in teaching mathematical concepts					
			To examine and evaluate preschool math program					
		6	To apply math concepts by integrating with other activities					
		7	To apply by making arrangements in activities in accordance with the development of children					

		8	To evaluating self-prepared and ready math activities					
	9							
		10						
21	Course Content:							
		Co	uı	rse Content:				
Week	Theoretical		Р	ractice				
1	The definition of mathematics in early childhood, its theoretical foundations importance in daily life							
2	Principles and standards in mathema education	ntics						
3	Development of mathematical thinkin mathematical concepts in children	ig and						
4	Mathematics education in pre-school education program							
5	Pre-counting concepts and processe (classification, comparison, matching							
6	Pre-counting concepts and processe (distinguish, order, and pattern)	S						
7	Counting and numbers							
8	Space, geometry, shapes in prescho- mathematics education	ol						
9	Measurement, data analysis-graphic							
Activites   Iprobability in preschool mathematics				Number	Duration (hour)	Total Work Load (hour)		
Thebre	Assessment in preschool mathematic	cs	Γ	14	3.00	42.00		
	leducation als/Labs			0	0.00	0.00		
Selfastu	dy and preperation Examining mathematical materials ar	nd	F	14	4.00	56.00		
Homew		iu		5	5.00	25.00		
Project	Integrating material with activity		F	5	5.00	25.00		
Field St	Texamples of activities to develop tudies		_	0	0.00	0.00		
Midtern	education			1	1.00	1.00		
Others				0	0.00	0.00		
Final E	Materials:		Α	nkara: PegemA Publis	ŊijŊ <b>Ø</b> Ð	1.00		
	ı ∕ork Load					150.00		
Total w	ork load/ 30 hr		Р	eriod. Nobel Bookstore	, Adana.	5.00		
ECTS (	Credit of the Course					5.00		
23	Education, Ankara: Pegem Academy  Güven, Y. (2000). Intuitive thinking and mathematics in early childhood, Istanbul: Yapa Yayıncılık  Güven, Y. (2005). Learning mathematical thinking and mathematics in early childhood. Istanbul: Small steps educational publications  Kandir; A., Can Yaşar, M., Yazıcı, E., Türkoğlu, D., & Yaman Baydar, I. (2016). Mathematics in Early Childhood Education. Istanbul; Morpa Cultural Publications.  Ulutaş, İ. (Ed.) (2015). Mathematics education in preschool period. Ankara: Hedef Publishing							

TERM LEARNING ACTIVITIES		WEIGHT				
Midterm Exam	1	40.00				
Quiz	0	0.00				
Home work-project	0	0.00				
Final Exam	1	60.00				
Total	2	100.00				
Contribution of Term (Year) Learning Activities Success Grade	es to	40.00				
Contribution of Final Exam to Success Grade	)	60.00				
Total		100.00				
Measurement and Evaluation Techniques Us Course	sed in the	Multiple Choice Test				
24 ECTS / WORK LOAD TABLE						

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25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK2	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK3	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ÖK4	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1	1
ÖK5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1
ÖK6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1
ÖK7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1
ÖK8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1
	LO: Learning Objectives PQ: Program Qualifications															
Contrib ution	1 \	1 very low 2 low					3 Medium			4 High			5 Very High			

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