

MATHEMATICS ACTIVITIES IN PRESCHOOL TERM

1	Course Title:	MATHEMATICS ACTIVITIES IN PRESCHOOL TERM
2	Course Code:	OKU5214
3	Type of Course:	Optional
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	6.00
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. MERAL TANER DERMAN
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	Doç. Dr. 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 pre-school period
	3	To explain the development of mathematical concepts in preschool period
	4	To use appropriate methods and techniques in teaching mathematical concepts
	5	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

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		10		
21	Course Content:			
	Course Content:			
Week	Theoretical	Practice		
1	The definition of mathematics in early childhood, its theoretical foundations and its importance in daily life			
2	Principles and standards in mathematics education			
3	Development of mathematical thinking and mathematical concepts in children			
4	Mathematics education in pre-school education program			
5	Pre-counting concepts and processes (classification, comparison, matching)			
6	Pre-counting concepts and processes (distinguish, order, and pattern)			
7	Counting and numbers			
8	Space, geometry, shapes in preschool mathematics education			
9	Measurement, data analysis-graphic / probability in preschool mathematics education			
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical				
12	Planning and implementing math activities	14	3.00	42.00
Practicals/Labs		0	0.00	0.00
Self study	developing mathematical materials- Integrating material with activity	12	6.00	72.00
Homeworks		13	5.00	65.00
Projects				
14	Examples of activities to develop	0	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams				
		0	0.00	0.00
Others		0	0.00	0.00
Final Exams				
23	Assesment	1	2.00	2.00
Total Work Load				181.00
Total work load/ 30 hr		R		6.03
ECTS Credit of the Course				6.00
Quiz		0	0.00	
Home work-project		0	0.00	
Final Exam		1	100.00	
Total		1	100.00	
Contribution of Term (Year) Learning Activities to Success Grade		0.00		
Contribution of Final Exam to Success Grade		100.00		
Total		100.00		
Measurement and Evaluation Techniques Used in the Course		Homework and exam		
24	ECTS / WORK LOAD TABLE			

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	5	1	1	1	1	1	0	0	0	0	0	0	0	0	0
ÖK2	5	5	5	1	1	1	1	0	0	0	0	0	0	0	0	0
ÖK3	5	5	5	1	1	1	1	0	0	0	0	0	0	0	0	0
ÖK4	1	5	1	5	5	1	1	0	0	0	0	0	0	0	0	0
ÖK5	1	1	1	5	5	1	1	0	0	0	0	0	0	0	0	0
ÖK6	1	1	4	1	1	1	1	0	0	0	0	0	0	0	0	0
ÖK7	1	1	1	1	5	1	5	0	0	0	0	0	0	0	0	0
ÖK8	1	1	1	4	4	1	1	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low			3 Medium			4 High			5 Very High				