

SCIENCE EDUCATION IN EARLY CHILDHOOD

1	Course Title:	SCIENCE EDUCATION IN EARLY CHILDHOOD
2	Course Code:	OKU2201
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	3
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:	
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. MIZRAP BULUNUZ
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	Prof. Dr. Mızrap Bulunuz mizrap@uludag.edu.tr Bursa Uludağ Üniversitesi, Eğitim Fak. Temel Eğitim Bölümü, Sınıf Öğretmenliği Anabilim Dalı, E Blok Görükle / BURSA İş Tel: 0 224 294 2279
17	Website:	
18	Objective of the Course:	To enable pre-school teacher candidates to learn about basic science concepts and to teach the methods that will help children gain the skills of falling and behaving like scientists with the resources around them in the preschool period.
19	Contribution of the Course to Professional Development:	At the end of this course, the prospective teachers will learn the basic science concepts for preschool and gain the methods and techniques of teaching these concepts to children.
20	Learning Outcomes:	
	1	Knows the basic characteristics and classification of living things
	2	Explain the substance and its properties (solutions, acids, bases)
	3	Understands sound and noise in learning environments conceptually.
	4	Can describe the movements of the solar system, moon and earth.
	5	Explain the aims of preschool science education
	6	Can list the resources around children in preschool science education and explain how they can benefit from these environments in science education.
	7	Explain scientific process skills in preschool and teaching methods in science education.
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	10	
21	Course Content:	

	Course Content:	
Week	Theoretical	Practice
1	Living things	
2	Living things	
3	Nature of matter	
4	Nature of matter	
5	Physical science	
6	Physical science	
7	Earth and Cosmos	
8	Drawing on the Child's World to make science relevant	
9	Nature of science	
10	Science in preschool	
11	Basic science concepts	
12	Science activities for preschool	
13	Science activities for preschool	
14	Science activities for preschool	

22	Textbooks, References and/or Other Materials:	Özdaş, A. (2011). Science Education in Preschool, Anadolu University Open Education Publications. Eskisehir. Jarrett, S.O. (2013) Science in the Child's World: Activities
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Activities			Number	Duration (hour)	Total Work Load (hour)
THEORETICAL LEARNING ACTIVITIES			NUMBER	WEIGHT	
Theoretical			1	3.00	42.00
Practicals/Labs			0	0.00	0.00
Self study and preperation	0	0	3.00	3.00	42.00
Quiz			0	0.00	0.00
Homeworks			3	15.00	45.00
Projects			1	14.00	14.00
Final Exam	1	60	1.00	14.00	14.00
Field Studies			0	0.00	0.00
Midterm exams			1	12.00	12.00
Contribution of Term (Year) Learning Activities to			40	1.00	12.00
Others			0	0.00	0.00
Final Exams			1	25.00	25.00
Contribution of Final Exam to Success Grade			60	1.00	25.00
Total Work Load					192.00
Total work load/ 30 hr					6.00
Measurement and Evaluation Techniques Used in the			1	midterm 1 final exam are applied during the semester	6.00
ECTS Credit of the Course					6.00

24 ECTS / WORK LOAD TABLE

[illegible]

ÖK5	4	5	4	1	0	5	0	4	0	0	0	0	0	0	0	0
ÖK6	3	5	0	4	0	4	0	5	0	0	0	0	0	0	0	0
ÖK7	0	0	3	0	5	0	3	0	4	0	1	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			