DESIGN AND APPLICATIONS OF SCIENCE ACTIVITIES IN PRE-SCHOOL PERIOD

1	Course Title:	DESIGN AND APPLICATIONS OF SCIENCE ACTIVITIES IN PRE-SCHOOL PERIOD	
2	Course Code:	OKU5121	
3	Type of Course:	Optional	
4	Level of Course:	Second Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	3.00	
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:	Dr. Ögr. Üyesi SEMA NUR GÜNGÖR	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	Dr. Öğr. Üyesi Sema Nur GÜNGÖR sgungor@uludag.edu.tr Bursa Uludağ Üniversitesi, Eğitim Fak. Temel Eğitim Bölümü, Okul Öncesi Öğretmenliği Anabilim Dalı, A Blok Görükle / BURSA İş Tel: 0 224 2942219	
17	Website:		
18	Objective of the Course:	To provide students with scientific thinking, problem solving, observation skills, teaching basic science concepts in pre-school period, tools used in teaching pre-school science concepts, designing a suitable environment for science learning, designing and applying science activities for pre-school children.	
19	Contribution of the Course to Professional Development:	To provide students with knowledge and skills about designing and applying science activities for preschool children.	
20	Learning Outcomes:		
		1	Relates the general objectives of science education with the objectives-achievements in the preschool education program.
		2	Explains the characteristics of the educational environment that supports preschool children's attitudes such as curiosity, questioning, discovery and sensitivity.
		3	Plans and implements activities that include teaching methods used in science education.
		4	Examines and evaluates sample activities of different science subjects and concepts.
		5	Prepares appropriate assessment tools for activities that support the development of pre-school children's science concepts and skills.
		6	Plans and implements activities that support basic scientific process skills suitable for preschool children.
		7	Plans, implements and evaluates activities that support basic scientific process skills suitable for preschool children.
		8	

	9	
	10	

21	Course Content:

Course Content:

Week	Theoretical	Practice
1	The place and importance of science activities in preschool period	
2	Basic science concepts and skills in the preschool period	
3	Types of science activities	
4	The effects of science activities on child development	
5	Necessary materials for science activities	
6	Points to consider in planning science activities	
7	Points to consider in planning science activities	
8	Preparation of tools suitable for the characteristics of science activities	
9	Preparation of tools suitable for the characteristics of science activities	
10	Designing and implementing science activities	
11	Designing and implementing science activities	
12	Designing and implementing science activities	
13	Designing and implementing science activities	
14	Designing and implementing science activities	

22	Textbooks, References and/or Other Materials:

Bahar, M. (2018). Okul Öncesi Dönemde Fen Bilgisi Etkinlikleri. Nobel Akademik Yayıncılık: Ankara.

Başar, M. (2019). Okul Öncesi Dönemde Fen Bilgisi Etkinlikleri. Nobel Akademik Yayıncılık: Ankara.

Kabataş Memiş, E. (2021). 21. Yüzyıl Becerileri için Fen Eğitimi, Pegem Akademi: Ankara.

Okur, M. (2021). Okul Öncesi Dönemde Bütünleştirilmiş Fen ve Doğa Etkinlikleri 1. Pegem Akademi Yayıncılık:

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	10	2.00	20.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	18.00	0.00
Others	0	0.00	0.00
Final Exams	1	24.00	24.00
Total Work Load			72.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

23	Assesment

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	0	0.00
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	Final examination

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	3	0	4	0	0	0	0	4	0	0	0	5	0	0	0	0
ÖK2	0	3	0	0	0	0	5	0	0	4	0	0	0	0	0	3
ÖK3	0	4	0	2	0	0	0	0	4	0	0	0	4	0	0	0
ÖK4	4	0	2	0	0	4	0	0	0	0	3	0	0	0	0	4
ÖK5	0	0	3	0	0	0	4	0	0	1	0	4	0	0	0	0
ÖK6	2	0	4	0	3	0	0	4	0	0	0	0	0	5	0	0
ÖK7	3	0	4	0	0	0	5	0	3	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**				