AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Scıence Experıment In Preschool								
Course Code	OÖÖ425		Couse Level	First Cycle (Bachelor's Degree)					
ECTS Credit	3	Workload	80 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	To learn all aspects of the concept of science and nature of science To learn all aspects of the concept of experiment To better understand the consequences of science and nature of science Scientific curiosity is to awaken in children.								
Course Content	Recognition of pre-school age children in science and nature at an early age and doing, living with permanent learning science, science is important, try to love. Course, the endless curiosity of children in this age group, albeit to an extent to be able to respond, will lead to teacher candidates. Tools designed to recognize students with experiments, proper use, teachers or friends to aid learning and sharing are planned.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Experiment, Discussion, Case Study, Project Based Study, Individual Study, Problem Solving								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	20
Final Examination	1	70
Assignment	2	20

Recommended or Required Reading	
1	Yılmaz, N. 2010. Okul Öncesi Eğitimde Fen Deneyleri. Ankara: Eğiten Kitap.
2	Kandır, A., Yaşar, M., İnal, G., Yazıcı, E., Uyanık, Ö. Ve Yazıcı, Z. 2012. Etkinliklerle Bilim Eğitimi. Ankara: Efil Yayınevi.
3	Macaroğlu Akgül, E. 2007. Fen ve Doğa Etkinlikleri. İstanbul: Morpa Yayıncılık.
4	TÇV. 1990. Türkiye'nin Biyolojik Zenginlikleri (Ed.: a.Kence), TCV. Yayını. Ankara, 318 ss.
5	Çepel, N. 1992. Doğa, Çevre, Ekoloji ve İnsanlığın Ekolojik Sorunları. Altın Kitaplar Yayınevi, İstanbul.

Week	Weekly Detailed Course Contents	
1	Theoretical	What is the Science and Nature og Science
2	Theoretical	The importance of making observations and experiments in science education?
3	Theoretical	Scientific process skills in science education
4	Theoretical	Experiment method and experiment types
5	Theoretical	Preparation of appropriate learning environments in experimental activities
6	Theoretical	The role of educators in the experimental activities
7	Theoretical	The impact on experiment and observation of creative thinking
8	Theoretical	Experiments and its impact on problem-solving skills of observation
9	Intermediate Exam	MIDTERM
10	Theoretical	Experiments and practical work in preschool education
11	Theoretical	Experiments and practical work in preschool education
12	Theoretical	Experiments and practical work in preschool education
13	Theoretical	Experiments and practical work in preschool education
14	Theoretical	Experiments and practical work in preschool education
15	Theoretical	Evaluation and presentation of the developed sample activities
16	Final Exam	TERM

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	3	56

Assignment	3	2	2	12
Midterm Examination	1	5	1	6
Final Examination	1	5	1	6
			Total Workload (Hours)	80
			[Total Workload (Hours) / 25*] = **ECTS**	3
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To learn all aspects of the concept og science and nature of science
2	To learn concept of science and nature of science elements
3	To learn impotance of science
4	To learn importance nature of science
5	To learn importance of experiment in science education
6	6. Courses at the same time, students to discover the surroundings will ensure that creative thinking and reinforce awakened.

Programme Outcomes *(Early Childhood Teacher Education)*	
1	To be able to gain subject knowledge of profession in theory and practice in the learning process.
2	To be able to gain the competence of using the appropriate approach, strategy, technique for the plans in the learning process, by making instructional plans related to the subject-matter.
3	To be able to gain skills of the teaching profession in the learning process.
4	To be able to implement teaching profession knowledge, skills, attitudes and habits related to the subject-matter in a real teaching and learning environment in the learning process.
5	To be able to comprehend contemporary approaches of education and the philosophies they are based on.
6	To be able to gain the basic skills such as comprehending, expressing, commenting, evaluating, being aware and enterprising, communicating, acknowledging the individual related to the subject-matter
7	To be able to become individuals faithful to the Principles and Revolutions of Ataturk, be modern, democratic,, secular, protecting and deveoping one's country, being alive to the nation, respecting human rights, preserving the nature, not being discriminatory, giving importance to the traditions and customs, protecting the values
8	To be able to improve oneself in terms of sport, art and culture
9	To be able to become individuals believing in lifelong learning.
10	To be able to educate individuals who keep up with developments in social, economic, technological and scientific areas, who investigate the main reasons of World problems and try to contribute to the solution of these problems

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5	L6
P1	3	3	3	4	4	3
P2	4	4	4	4	4	4
P3	5	4	4	4	5	3
P4	3	4	5	5	5	4
P5	5	3	3	5	5	3
P6	4	3	3	5	4	3
P7	4	5	4	5	4	4
P8	5	5	5	5	5	5
P9	3	4	3	3	3	3
P10	4	5	4	5	4	3