NC	DN-SCHOOL LEARNIN	ig en Edu	VIRONMENTS IN MATHEMATICS CATION							
1	Course Title:	NON-SCHOOL LEARNING ENVIRONMENTS IN MATHEMATICS EDUCATION								
2	Course Code:	İMÖ0010								
3	Type of Course:	Optional								
4	Level of Course:	First Cycle								
5	Year of Study:	2								
6	Semester:	3								
7	ECTS Credits Allocated:	4.00								
8	Theoretical (hour/week):	2.00								
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:	Prof. Dr. MENEKŞE SEDEN TAPAN BROUTIN								
15	Course Lecturers:	-								
16	Contact information of the Course Coordinator:	Doç.Dr. Menekşe Seden TAPAN BROUTIN tapan@uludag.edu.tr 0 224 2955021 Uludağ Üniversitesi Eğitim Fakültesi, A Blok, Matematik ve Fen Bilimleri Eğitimi Bölümü, 16059 Nilüfer,Bursa								
17	Website:									
18	Objective of the Course:	To have information about mathematics education in out-of-school learning environments, to develop examples of activities suitable for different out-of-school learning environments for prospective teachers, and to learn evaluation techniques.								
19	Contribution of the Course to Professional Development:	To have information about mathematics education in out-of-school learning environments, to develop examples of activities suitable for different out-of-school learning environments for prospective teachers, and to learn evaluation techniques.								
20	Learning Outcomes:									
		1	Defines out of school environments.;							
		2	Compares different teaching, methods and techniques for out-of-school learning environments.;							
		3	Discusses the place of different out-of-school learning environments in education.;							
		4	Designs curriculum, activity, material and measurement tool by integrating the course outcomes with out-of-school learning environments.;							
		5	Compares measurement and evaluation techniques that can be used in different out-of-school learning environments.;							
		6								
		7								
		8								
		9								
		10								
21	Course Content:									
	Course Content:									

Week	Theoretical		Practice						
1	Out-of-school education and learning concepts								
2	Scope and importance of out-of-school learning	ol							
3	Teaching in Out-of-School Settings								
4	Teaching Methods and Techniques S for Out-of-School Learning Environme (Project-Based Learning, Station Tech etc.) and teaching materials	uitable ents hnique							
5	Teaching Methods and Techniques S for Out-of-School Learning Environme (Project-Based Learning, Station Tech etc.) and teaching materials	uitable ents hnique							
6	museums The Concept of the Museur its types Learning theories used in Mu Education • Planning, implementing a evaluating sample activities for the mu	m and useum nd useum.							
7	museums The Concept of the Museur its types Learning theories used in Mu Education • Planning, implementing a evaluating sample activities for the mu	m and useum nd useum.							
8	Science and Technology Centers (BT Important Science and Technology Co Turkey • Use of Science and Technolo Centers in Education • Planning, implementation and evaluation of sam	M) • enters in ogy nple							
Activit	es		Number	Duration (hour)	Total Work Load (hour)				
Theore	Cehters in Education • Planning,	999	14	2.00	28.00				
Practica	als/Labs		0	0.00	0.00				
Self_stu	Science festivities and Science camp	Use of	14	5.00	70.00				
Homew	vorks		0	0.00	0.00				
Project	evaluation of science festivals and sa	mple	0	0.00	0.00				
Field S	tudies		0	0.00	0.00				
Midtern	Science festivities and Science camp	• Use of s in	1	5.00	5.00				
Others			0	0.00	0.00				
Final E	evaluation of science festivals and sa kartistics in science camps	mple	1	10.00	10.00				
Total W	/ork Load				113.00				
Total w	offikalonapole S0 hr				3.77				
ECTS (Credit of the Course				4.00				
14	Out-of-School Learning Environments Assessment	and							
22	Textbooks, References and/or Other Materials:		Şen, A.İ. (2019). Okul dışı öğrenme ortamları. Ankara: Pegem Yayınları.						
23	Assesment								
TERML	EARNING ACTIVITIES	NUMBE R	WEIGHT						
Midtern	n Exam	1	40.00						
Quiz		0	0.00						
Home v	work-project	0	0.00						
Final E	xam	1	60.00						
Total		2	100.00						

Contribution of Term (Year) Learning Activities to Success Grade	40.00
Contribution of Final Exam to Success Grade	60.00
Total	100.00
Measurement and Evaluation Techniques Used in the Course	Exams and class participation

24 ECTS / WORK LOAD TABLE

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	4	3	4	5	3	5	4	4	2	4	2	1	5	4	3
ÖK2	5	4	2	5	4	4	4	5	5	1	4	3	1	4	4	4
ÖK3	5	5	3	4	4	3	4	5	4	2	5	3	2	4	5	5
ÖK4	5	4	4	5	5	4	5	4	4	2	5	2	2	5	4	4
ÖK5	5	5	4	4	4	4	5	5	4	1	4	2	1	5	5	4
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	Contrib 1 very low 2 I ution Level:			2 low		3 Medium			4 High			5 Very High				