	ARTIFICIAL INTELLIGENCE ACTIVITIES IN EDUCATION										
1	Course Title:	ARTIFIC	IAL INTELLIGENCE ACTIVITIES IN EDUCATION								
2	Course Code:	BIL0003									
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. ADEM UZUN									
15	Course Lecturers:										
16	Contact information of the Course Coordinator:	auzun@uludag.edu.tr									
17	Website:										
18	Objective of the Course:	The aim of this course is to provide prospective teachers with knowledge and skills in the following subjects. Intelligence and its characteristics, History, current status and application areas of artificial intelligence, Expert systems, usage areas, components, features and design of expert systems, use of expert systems in education, Intelligent learning systems, Big data in education, Learning analytics, Educational agent, Adaptive learning and adaptive measurement Program development in logical programming									
19	Contribution of the Course to Professional Development:										
20	Learning Outcomes:										
		1	To be able to explain the concept of artificial intelligence.								
		2	Being able to identify the structure and components of expert systems.								
		3	To explain intelligent learning systems and components								
		4	To be able to explain the properties of logical programming languages.								
		5	To be able to use a logical programming language at a basic level.								
		6									
		7									
		8									
		9									
		10									
21	Course Content:										
	Course Content:										

Week	Theoretical		Practice							
1	Basic concepts of natural intelligence an artificial intelligence	nd								
2	Historical development of artificial intelli	gence								
3	The relationship between natural intelligand artificial intelligence	gence								
4	Expert systems									
5	Learning analytics									
6	Data mining and its use in education									
7	Intelligent teaching systems									
8	Educational agent									
9	Adaptive learning									
10	Programming applications									
11	Programming applications									
12	Programming applications									
13	Programming applications									
14	Programming applications									
22	Textbooks, References and/or Other Materials:		Vasif Vagifoğlu Nabiyev, Yapay Zeka, 5. baskı, Nisan 2016, Seçkin Yayıncılık. Introduction to Artificial Inteligence, Eugene Charniak.							
Activit	tes		Number	Number Duration (hour) Total W Load (h						
Theore	Kal Assesment		14	2.00	28.00					
	als/Labs		0	0.00	0.00					
Self stu	udy and preperation R		12	3.00	36.00					
Homew			0	0.00	0.00					
Project	s U		0 00	5.00	25.00					
Field S	tudies		0	0.00	0.00					
Midtern	xam n exams		60,00	10.00	10.00					
Others			0	0.00	0.00					
Contrib Final E Succes	oution of Term (Year) Learning Activities of Sansas	to '	40,00	21.00	21.00					
	Vork Load				130.00					
Total w	ork load/ 30 hr		400.00		4.00					
	Credit of the Course				4.00					
Measurement and Evaluation Techniques Used in the Course										
24 ECTS / WORK LOAD TABLE										
25	<u> </u>	LEAR	RNING OUTCO	MES TO PROGRA	MMF					

CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME **QUALIFICATIONS** PQ1 PQ2 PQ3 PQ4 PQ5 PQ6 PQ7 PQ8 PQ9 PQ1 PQ11 PQ12 PQ1 PQ14 PQ15 PQ16 ÖK1 ÖK2 ÖK3

ÖK4	5	4	4	5	0	4	0	0	0	0	0	0	0	0	0	0
ÖK5 5 4 4 5 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0										0						
Contrib 1 very low ution Level:			2	2 low		3 Medium			4 High		5 Very High					