	ARTIFICIAL INTELLIGENCE ACTIVITIES IN EDUCATION									
1	Course Title:	ARTIFICIAL 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:	This course enables prospective teachers to use artificial intelligence applications in their professional practices.								
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 intellig	gence								
3	The relationship between natural intelligand artificial intelligence	ence								
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 Activit	Textbooks, References and/or Other Materials:		Vasif Vagifoğlu Nabiyev, Yapay Zeka, 5. baskı, Nisan 2016, Seçkin Yayıncılık. Introduction to Artificial Inteligence, Eugene Charniak. Number Duration (hour) Total Work Load (hour)							
Theore	ical Assesment		14	2.00	28.00					
	als/Labs		0	0.00	0.00					
Self stu	udy and preperation R		14	3.00	42.00					
Homew			4	5.00	20.00					
Project	s		o go	0.00	0.00					
Field S	tudies		0	0.00	0.00					
Midterr	n exams		60,00	10.00	10.00					
Others			0	0.00	0.00					
Contrib Einal E Succes	oution of Term (Year) Learning Activities t Xams Ss Grade	.0	40100	20.00	20.00					
Total V	Vork Load				120.00					
Total w	vork load/ 30 hr		400.00		4.00					
	Credit of the Course				4.00					
Measurement and Evaluation Techniques Used in the During the semester, a process evaluation, a test in the Course midterm and the final exam will be applied.										
24 ECTS / WORK LOAD TABLE										
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME									

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					