	ARTIFICIAL INTELLI	GENC	E 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 Cyc	sle						
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:								
		Co	ourse Content:						

Week	Theoretical								Practice									
1	Basic concepts of natural intelligence and artificial intelligence																	
2	Historio	al deve	elopme	ent of	artificia	l intell	igenc	e										
3	The rel and art		natural	intelli	gence	,												
4	Expert	system	S															
5	Learnir	ig analy	/tics															
6	Data m	ining a	nd its ı	use in	educa	tion												
7	Intelligent teaching systems																	
8	Educat	ional ag	gent															
9	Adaptive learning																	
10	Programming applications																	
11	Programming applications																	
12	Progra	mming	applica	ations														
13	Progra	ations																
14	Progra	applica	ations															
22	Textbo Materia	eferenc	es an	id/or O	ther		20	Vasif Vagifoğlu Nabiyev, Yapay Zeka, 5. baskı, Nisan 2016, Seçkin Yayıncılık. Introduction to Artificial Inteligence, Eugene Charniak.										
Activites								Numb				Duration (hour)						
Theore	Theoretical 23 Assesment								14				2.00			28.00		
Practica	Practicals/Labs								0				0.00			0.00		
Self stu	study and preperation								12				3.00			36.00		
	neworks								0				0.00			0.00		
Project	ts U														25.00			
Field S									0 60,00						0.00			
Midtern	Exam 1 erm exams												0.00			10.00		
Others										0 40,00					0.00			
	Contribution of Term (Year) Learning Activities to Success Grade											21.00			21.00			
ООННО	otal Work Load														130.00			
Tatal	Total work load/ 30 hr													4.00				
				n Tec	hnique	s Use	d in th					proces exam wi		uation, a	4.00 a test in 1	the		
24	ECTS	/ WO	RK L	OAD	TAB	LE												
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
		1	D.C.C.		D C C	DAA		-				Dece		Dect				
	PC	1 PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16		
ÖK1	5	5	4	4	0	3	0	0	0	0	0	0	0	0	0	0		
ÖK2	4	4	4	4	0	3	0	0	0	0	0	0	0	0	0	0		
ÖK3	5	4	4	5	0	4	0	0	0	0	0	0	0	0	0	0		
			1	I							1			1	1			

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				
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 Iow		3 Medium			4 High			5 Very High				