PATTERN RECOGNITION											
1	Course Title:	PATTER	RN RECOGNITION								
2	Course Code:	BMB401	8								
3	Type of Course:	Optional									
4	Level of Course:	First Cyc	cle								
5	Year of Study:	4									
6	Semester:	8									
7	ECTS Credits Allocated:	5.00									
8	Theoretical (hour/week):	3.00									
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.	Ahmet Emir DİRİK								
15	Course Lecturers:										
16	Contact information of the Course Coordinator:	Ahmet Emir Dirik, edirik@uludag.edu.tr									
17	Website:										
18	Objective of the Course:	The main objectives of the course are as follows: To provide essential knowledge of pattern recognition fundamentals. To develop advanced practical skills and competency in pattern recognition. To apply these skills to the full spectrum of pattern recognition applications, through independent research and investigation. To develop the students' transferable skills including communication (oral, written and aural), time and project management.									
19	Contribution of the Course to Professional Development:	To be able to follow innovations and apply them in the field by using the competence of collecting information, researching and analyzing them.									
20	Learning Outcomes:										
		1	Gain sufficient knowledge on pattern recognition; the ability to model and solve computer vision application problems using theoretical and practical knowledge.								
		2	Gain the ability to identify, model, and solve complex problems; the ability to select and apply appropriate analysis and modeling methods for these problems.								
		3									
		4									
		5									
		6									
		7									
		8									
		9									
		10									
21	Course Content:										

	Course Content:																		
Week	Theo	et	ical						Р	ractice									
1	Introd	uct	ion to	Patte	n Re	cognitio	on												
2	Bayes	Bayesian decision theory																	
3	Bayes	iar	decis	sion th	eory	(contin	ued)												
4	Bayes	iar	estim	nation															
5	Bayes	iar	estim	nation	(cont	inued)													
6	Featu	selecti	on an	d extr	action														
7	Linear	Di	iscrimi	inant F	uncti	ons													
8	Nonpa	ara	metric	Patte	rn Re	cogniti	on												
9	Algori	n-inde	pende	nt Le	arning														
10	Comp	ari	ng cla	ssifier	S														
11	Learni	ng	with I	Multipl	e Alg	orithms	3												
12	Synta	ctic	Patte	rn Re	cogni	tion													
	Activites									Number				Duration (hour)			Total Work Load (hour)		
The relation of the relation o									Р	Pattern Recognition and							•		
Practicals/Labs										0							0.00		
Se df3 stu	Selfstucksesheaperation									14							28.00		
Homew	vorks									0							0.00 30.00		
Project	jects R									1				30.00					
Field S										0				0.00					
Midtern	ferm exams									0.90			18.00	18.00					
Others										0						0.00			
Final E	xams								-	100						32.00			
Total W				VOOR	OOF	Ind or	11/11/12	2.10	171	40.00					168.00				
Total w Succes	ontribution of Ferm (Year) Learning Activities to otal work load/30 hr ouccess Grade									0.00						5.00			
	ECTS Credit of the Course									5.00						5.00			
Total									10	100.00									
Measur Course		ar	nd Eva	luatio	n Tec	hnique	s Use	ed in th	th	e princ	iples o		Uludag	Unive	rsity As	according ssociate			
24	ECTS	S /	WOI	RK L	OAD	TAB	LE												
25			(CON	TRIE	BUTIC	N O			NING ALIFIC		OME:	S TO	PROC	SRAM	ME			
	P	ີ 21	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	B PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16		
ÖK1	5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
				<u> </u>		<u> </u>		1			<u> </u>			L	<u> </u>		<u> </u>		

ÖK2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Contrib ution Level:	ution					1	s P Medi			m Qu 4 Higl		itions		y High		