DISCRETE MATHEMATICS									
1	Course Title:	DISCRE	TE MATHEMATICS						
2	Course Code:	BMB201	1						
3	Type of Course:	Compuls	Sory						
4	Level of Course:	First Cyc	sle						
5	Year of Study:	2							
6	Semester:	3							
7	ECTS Credits Allocated:	7.00	.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 f	face						
14	Course Coordinator:	Doç. Dr.	GIYASETTİN ÖZCAN						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	Bilgisaya Tel.:+90 email: go	ar Müh. Bölüm Binası, 1. kat, oda 107 (224) 294 2792 ozcan at uludag.edu.tr						
17	Website:								
18	Objective of the Course:	Discrete mathematical knowledge is required in efficient algorithm design and analysis. This course provides discrete mathematical knowledge, that is used in Computer Science.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Learn logic and proof methods						
		2	Learn induction and recursion methods						
		3	Learns Advanced counting earners						
		4	Gain preliminary knowledge on concepts of relationship and chart						
		5							
		6							
		7							
		8							
		9							
		10							
21 Course Content:									
		Co	ourse Content:						
Week	Theoretical		Practice						
1									
2									
3	Coto								
4	Functions								
5	Functions								

6	Algorithms																	
7	Integers																	
8	General review ve evaluation																	
9	Induc	Induction																
10	Recursion																	
11	Counting																	
12	Probability																	
13	Advanced counting																	
14	Relations																	
22	Textbooks, References and/or Other Materials:						Di Ro	Discrete mathematics and its applications, Kenneth H. Rosen, 7th edition										
23	Asse	sme	nt															
TERM L	.EARN	IING	ACTI	VITIES	;		N R	UMBE	W	EIGHT								
Midterm	n Exai	m					1		40	40.00								
Quiz							0		0.	0.00								
Home v	work-p	oroje	ct				0		0.	0.00								
Final Ex	xam						1		60	60.00								
Total							2		10	100.00								
Contribution of Term (Year) Learning Activities				to	40	40.00												
Activit	es									Numbe			Dura	Duration (hour)		Total Work		
																	iour)	
Measureringent and Evaluation Techniques Used in the						е	14 3.00			42.00								
Practica	racticals/Labs								0			0.00	0.00			0.00		
Self stu									0			0.00	0.00			0.00		
Homew	neworks								0			0.00	0.00			0.00		
Projects	ects								0			0.00	0.00			0.00		
Field St	Studies								0			0.00	0.00			0.00		
Midterm	erm exams								1 5			58.00	58.00			58.00		
Others	rs									0			0.00	0.00			0.00	
Final Ex	Exams								1			80.00	80.00			80.00		
Total W	/ork L	oad															180.00	
Total w	ork lo	ad/ 3	30 hr												6.00			
ECTS C	Credit	of th	ne Co	urse						7.00								
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																		
	P	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	B PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	0	)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK2	0	)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK3	0	)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK4	0	)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			l	_0: L	earr	ing C	bjec	tives	6 I	PQ: P	rogra	m Qu	alifica	tions	5			

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