DISCRETE MATHEMATICS									
1	Course Title:	DISCRETE MATHEMATICS							
2	Course Code:	BMB2011							
3	Type of Course:	Compulsory							
4	Level of Course:	First Cycle							
5	Year of Study:	2							
6	Semester:	3							
7	ECTS Credits Allocated:	7.00							
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:	Doç. Dr. GIYASETTİN ÖZCAN							
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	Bilgisayar Müh. Bölüm Binası, 1. kat, oda 107 Tel.:+90 (224) 294 2792 email: gozcan 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:	Preparation of mathematical background in Computer Science							
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							
21	Course Content:								
21		Course Content:							
Week	Theoretical		Practice						
1	Introduction								
2	Logic								
3	Proofs								
4	Sets								
5	Functions								

6	Algorith	ns															
7	Integers	-															
8	General	eneral review ve evaluation															
9	Inductio																
10	Recursi																
11	Counting																
12	Probabi	robability															
13	Advance	Advanced counting															
14	Relation	Relations															
22	Textbooks, References and/or Other Materials:							Discrete mathematics and its applications, Kenneth H. Rosen, 7th edition									
23	Assesm	ent															
TERM L	EARNIN	G ACTI	VITIES	;		N	UMBE	W	EIGHT								
Midtern						1		40	40.00								
Quiz						0		0.	0.00								
Home v	work-proj	ect				0		0.	0.00								
Final E	Exam 1						60	60.00									
Total						2		10	00.00								
	Contribution of Term (Year) Learning Activities to 4 Success Grade						40	40.00									
	Activites						Number Duration (hour) Total Wor Load (hour) Load (hour)					nour)					
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												0.00					
	A HOAD TABLE								0 0.00				0.00				
Project									0						0.00		
-	Studies								0			0.00	0.00			0.00	
Midtern	erm exams								1 70.00)	70.00				
Others									0			0.00			0.00		
Final E	Exams								1			98.00			98.00		
Total W	Work Load														280.00		
Total w	work load/ 30 hr													7.00			
ECTS (S Credit of the Course													7.00			
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	B PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	5	5	4	3	3	2	5	1	1	1	1	1	0	0	0	0	
ÖK2	5	5	4	3	3	2	5	1	1	1	1	1	0	0	0	0	
ÖK3	5	5	4	3	3	2	5	1	1	1	1	1	0	0	0	0	
ÖK4	5	5	4	3	3	2	5	1	1	1	1	1	0	0	0	0	
				.earr	nina () biec	tives	;	PQ: P	roars	ım Qıı	alifica	tions	ـــــــــــــــــــــــــــــــــــــ		L	
LO: Learning Objectives PQ: Program Qualifications																	

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