	DATABASE	MAN	AGEMENT SYSTEMS							
1	Course Title:	DATABA	ATABASE MANAGEMENT SYSTEMS							
2	Course Code:	BMB300	1							
3	Type of Course:	Compuls	sory							
4	Level of Course:	First Cyc	sle							
5	Year of Study:	3								
6	Semester:	5								
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:	Dr. Ögr.	Üyesi CEYDA NUR ÖZTÜRK							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	ceydanu	r@uludag.edu.tr							
17	Website:									
18	Objective of the Course:	related to relational language issues si	the students understand the fundamental concepts that are o database management. To teach entity-relationship and al database design models as well as the structured query e SQL that was defined for relational model. To study the such as indexing, normalization, views, transactions, ency and recovery in the context of database efficiency and ance.							
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Being able to design a typical database using entity- relationship model or relational model							
		2	Being able to implement and query the designed database with the structured query language SQL							
		3	Being able to program database-dependent applications							
		4	Having the critical issues mastered for management of a database in the long term							
		5	Being informed about features of current database systems							
		6								
		7								
		8								
		9								
		10								
21	Course Content:	C-	ourse Content:							
Week	Theoretical		Practice							
1	Introduction to basic concepts of data management systems	abase								

2			ataba nip mo		sign w	vith enti	ity-													
3		lational model and relational algebra																		
4	Struc queri		d que	ry lan	guage	SQL:	Basic													
5	Struc queri																			
6				and a . ammi		ation d	evelop	oment												
7	Midte	ərm																		
8	Index	xing																		
9	Norm	naliza	ation																	
10	View	's an	d tran	sactio	ns															
11	Conc	curre	ncy																	
12	Reco	overy	/ syste	em																
13	Obje	ct-or	ienteo	d data	bases	and X	ML													
14	Oper syste		urce a	nd co	mmer	cial da	tabase	e												
22	Materials:								Ас 2. J.	<ol> <li>An Introduction to Database Systems, C.J. Date, Addison- Wesley, 2004, ISBN 0-321-19784-4.</li> <li>Database Management Systems, R. Ramakrishnan and J. Gehrke, McGraw-Hill, 2003, ISBN 0-07-115110-9.</li> <li>Database System Concepts, A. Silberschatz, H. F.</li> </ol>										
Activit	Activites								Numb	- A Á	<u> </u>		Duration (hour)			Total Work Load (hour)				
Theore	tical								Т	Turkiye Bilişim Vaktı Ortak yayını, 2000					000.	42.00				
Practica	als/La	abs								0				0.00			0.00			
<b>Fekin</b> tu	EAR	MANG	ACT	VIPIES	;		N	UMBE	W	WÉIGHT				3.00			42.00			
Homew	vorks								_	4				10.00			40.00			
Project	n Exa S	m					!			20,00					0.00					
Field S	tudies	S								0						0.00				
Midtern	work-r n exa	proje ms	CL				4		Z	13.00					13.00					
Others										0.00					0.00					
Final E	Exams 0								T	100.00				)		17.00				
Total W	otal Work Load															154.00				
Total w	otal work load/ 30 hr								6	00						5.13				
ECTS (	CTS Credit of the Course															5.00				
тотаг			. –							0.00										
Measur Course	) 							d in th	e											
24	ECT	rs/	WO	RK L	OAD	TAB	LE													
25				CON	TRIE	BUTIO	N OI				OUTC ATIO		S TO I	PROC	GRAM	ME				
	F	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16			
ÖK1	5	5	5	3	3	2	5	0	0	0	0	0	0	0	0	0	0			
ÖK2	4	1	4	5	5	3	5	0	0	0	0	0	0	0	0	0	0			

ÖK3	4	2	5	5	3	5	0	0	0	0	0	0	0	0	0	0	
ÖK4	3	4	2	2	0	1	0	0	0	0	0	0	0	0	0	0	
ÖK5	2	1	1	3	0	1	0	0	1	0	0	0	0	0	0	0	
LO: Learning Objectives PQ: Program Qualifications																	
Contrib ution Level:	tion				2 low			3 Medium			4 High			5 Very High			