

DATA BASE I

1	Course Title:	DATA BASE I
2	Course Code:	BLPZ117
3	Type of Course:	Compulsory
4	Level of Course:	Short Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	5.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	1
11	Prerequisites:	
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr.Gör. HATİCE ÇAVUŞ
15	Course Lecturers:	Öğr. Gör. Hatice ÇAVUŞ
16	Contact information of the Course Coordinator:	
17	Website:	
18	Objective of the Course:	Create new databasae and analize data structure and Query , select from a table and relational database and reporting data.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	At the end of this course, students must be able to develop a database application starting with the conceptual design leading to logical and physical designs.
	2	Students must be competent in relational model and SQL.
	3	They are also expected to know the internals of the Database
	4	Management Systems including Concurrency control.
	5	SQL Parsing and transaction management.
	6	To supply the students with the theory and practice of database management systems and development.
	7	Students can write SQL query and parsing.
	8	Able to run relational database query .
	9	Group and function based query write.
	10	
21	Course Content:	
	Course Content:	
Week	Theoretical	Practice

1	Introduction to Database. Relational model and algebra Database design: E/R model Database design: E/R and relational translation			
2	Relational model and algebra , Database design: E/R model			
3	Database design: E/R and Relational database Design			
4	Database design: E/R and Database Desing Teory			
5	Database Setup and Create Database			
6	Sql- CREATE : Basics, l translation subqueries,aggregates.			
7	Sql: Constraints, triggera,views			
8	Sql: Indexes, transactions Examples			
9	Mid Term			
Activites		Number	Duration (hour)	Total Work Load (hour)
11	Indexes, transactions Examples			
12	SQL programming			
Practicals/Labs				
13	Self study and preperation			
Homeworks				
Projects				
Field Studies				
22	Textbooks, References and/or Other Materials:	Database Menagement System Prof. Dr. Zehra Alakoç		
Others				
23	Final Exams			
TERM LEARNING ACTIVITIES		NUMBE	WEIGHT	
Total Work Load				
Midterm Exam				
Total Work load/ 30 hr		1	25.00	
ECTS Credit of the Course				5.00
Home work-project		0	0.00	
Final Exam			50.00	
Total		3	100.00	
Contribution of Term (Year) Learning Activities to Success Grade		50.00		
Contribution of Final Exam to Success Grade		50.00		
Total		100.00		
Measurement and Evaluation Techniques Used in the Course				
24	ECTS / WORK LOAD TABLE			

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							