



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Database - I							
Course Code		BPR110		Couse Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	100 ( <i>Hours</i> )	Theory	3	Practice	1	Laboratory	0
Objectives of the Course		Teaching the basics of database design. Developing databases, building queries, using database managerial functions							
Course Content		database needs assesment, installing database tools, preparing forms and setting their functions, building queries and using various queries, doing transaction operations, writing index queries							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study, Problem Solving					
Name of Lecturer(s)		Ins. Erkan GÜLER							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

### Recommended or Required Reading

1	Visual Basic ve Database (Arter Yayıncılık)
---	---

Week	Weekly Detailed Course Contents	
1	Theoretical	database needs assessment
2	Theoretical	normalization
3	Theoretical	normalization
4	Theoretical	Installing database tools
5	Theoretical	building tables and setting their properties
6	Theoretical	building tables and setting their properties
7	Theoretical	building queries and using their types
8	Theoretical	
9	Intermediate Exam	midterm exam
10	Theoretical	building queries with related tables
11	Theoretical	using DML queries
12	Theoretical	building user queries
13	Theoretical	writing view queries
14	Theoretical	building triggering queries
15	Theoretical	doing transactions and building index queries
16	Final Exam	final exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Lecture - Practice	14	0	1	14
Laboratory	8	0	4	32
Midterm Examination	1	5	1	6
Final Examination	1	5	1	6
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	designing databases
---	---------------------



2	developing databases
3	building queries in databases
4	using managerial functions of databases
5	Knows the general structure, advantages and disadvantages of Classical File System
6	Knows the basic concepts of database
7	Knows the data base systems and data models
8	Know the basic properties of relational database, key, relationship types
9	Knows database manager, application programmer, normal user tasks, knows database internal operations
10	Add, update or delete records using SQL commands
11	Perform basic queries on records using SQL commands.

#### Programme Outcomes (Computer Programming)

1	Having knowledge and skills in web project preparation and publishing
2	Having the knowledge and skills necessary for proper use management of database applications
3	Having knowledge and skills for software development, testing and installation
4	Be able to use the hardware necessary for computer programming and solve the basic problems they have with hardware
5	To be able to use information and communication technologies at the level required by computer programming
6	To be able to produce solutions to problems encountered in the field
7	Having the competencies to make job planning in the profession
8	Communicating with colleagues and clients based on knowledge and skills
9	Be able to take responsibility as an individual or as a team member and to fulfill the responsibility
10	To be able to express written and oral expressions related to the study topic
11	Be able to adapt the winning information to new situations

#### Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11
P1	3	2	3	2	3	3	2	3	3	2	4
P2	3	2	2	2	2	2	2	1	2	2	3
P3	3	2	2	2	3	2	2	1	2	2	3
P4	3	1	2	2	2	3	2	2	3	3	4
P5	3	1	2	2	3	3	3	2	3	3	4
P6	3	1	2	2	3	2	3	2	3	3	4
P7	3	2	2	2	3	2	3	3	3	3	3
P8	3	2	2	2	1	2	1	2	3	2	3
P9	3	1	2	2	1	2	1	2	1	2	5
P10	3	1	1	2	1	2	2	3	1	1	3
P11	3	1	1	2	2	2	3	2	1	2	3

