



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Database - II							
Course Code		BPR203		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	100 (<i>Hours</i>)	Theory	3	Practice	1	Laboratory	0
Objectives of the Course		This course aims to acquire the competencies related to managing the student, the database and the servers							
Course Content		To install the server software, the database administration panel. To create database, users can define tables and manage diagrams. Organize view, trigger, subprograms and indexes. User roles, user-defined types of data to edit. Make data replication operations and maintenance plan. Performing performance analysis and improvements.							
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 and Database M. Şakir Unutur Arter yayıncılık
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Week	Weekly Detailed Course Contents	
1	Theoretical	Establish server software of at least two different industry standard industry vendors
2	Theoretical	Setting up the database administration panel, creating the database and defining the users
3	Theoretical	Creating databases and defining users, Defining tables and managing diagrams
4	Theoretical	Defining tables and managing diagrams, Performing data transfer operations
5	Theoretical	Perform data transfer operations, Create new database from existing database
6	Theoretical	Create new database from existing database, edit views, triggers, subprograms and indexes
7	Theoretical	Organizing views, triggers, subprograms and indexes
8	Theoretical	Organizing views, triggers, subprograms and indexes, Organizing user roles, user-defined data types
9	Intermediate Exam	midterm
10	Theoretical	Editing user roles, user-defined data types
11	Theoretical	To edit rules and default values
12	Theoretical	Regulate rules and default values, Perform data replication operations and maintenance plan
13	Theoretical	Perform data replication operations and maintenance plan
14	Theoretical	Perform performance analysis and improvements
15	Theoretical	Perform performance analysis and improvements
16	Final Exam	Final Examination

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Assignment	8	0	4	32
Reading	14	0	1	14
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	Setting up the database
2	Making basic table operations
3	Making advanced table operations
4	Managing the database server
5	Perform database design of a system
6	Knows the data types used in QL (structural query language), can create database tables 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
P1	5	5	4	4	4	4
P2	5	5	4	4	4	4
P3	5	5	4	4	4	4
P4	1	1	1	1	4	4
P5	2	2	2	2	2	2
P6	2	1	2	2	2	2
P7	2	1	1	1	1	2
P8	1	1	1	1	1	1
P9	1	1	1	1	1	1
P10	1	1	1	1	1	1
P11	2	1	1	1	1	1

