AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Database Management Systems								
Course Code	BPR188		Couse Level	Short Cycle (Associate's Degree)					
ECTS Credit	2	Workload	50 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	Ability to design, create, query and form databases.								
Course Content	To design database, forms and queries in database management system.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Individual Study								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Database Management Systems II Turgut Özseven Murathan Yayın

Week	Weekly Detailed Course Contents	
1	Theoretical	Database Needs Analysis
2	Theoretical	Normalization
3	Theoretical	Normalization
4	Theoretical	Setting Up Database Tools
5	Theoretical	Creating Tables and Specifying Properties
6	Theoretical	Creating Query and Using Types
7	Theoretical	Creating Query and Using Types
8	Theoretical	Creating Query and Using Types
9	Intermediate Exam	Midterm exam
10	Theoretical	Preparing a Query with Related Tables
11	Theoretical	Preparing a Query with Related Tables
12	Theoretical	Preparing a Query with Related Tables
13	Theoretical	Using DML Queries
14	Theoretical	Create a form
15	Theoretical	Create a form
16	Final Exam	Final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	1	0	5	5
Term Project	1	0	5	5
Midterm Examination	1	5	1	6
Final Examination	1	5	1	6
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Understanding database design
2	Understanding how to create a database

3	Understanding how to query the database
4	Comprehending form creation
5	To be able to design and implement databases in accordance with rules and standards under realistic constraints and conditions.
6	To be able to use SQL applications to create database applications and use database applications according to the needs of engineering problems.

Programme Outcomes *(Machinery)*	
1	To be able to know general properties and usage areas of industrial materials and make selection.
2	Design of machine elements.
3	To be able to make production using machining and welding machines without machining.
4	To be able to make measurement and quality control processes with machine tools for measuring and control equipment.
5	To be able to make necessary corrections in order to determine the mistakes by using the necessary non-destructive test methods in welded parts and to eliminate these mistakes.
6	Preventive measures to prevent the occurrence of these faults by preliminarily determining the faults that will occur in the machines as statistical data and to make necessary interventions in case of breakdown.
7	They can make drawings of work pieces on CAD station and apply them on CNC looms. Ability to operate and use CAD / CAM and AUTOCAD package programs.
8	To be able to transfer engineering science and technology to practice by making calculations in the direction of scientific principles.
9	It can repair the elements in pneumatic and hydraulic systems which are indispensable elements of automatic control systems and can regulate their work.
10	The student who is trained as a machine technician during the whole program knows that industrial task definition in the field of work is error finding, problem solving, decision making, planning of functions and activities and they can be achieved by aiming to acquire these characteristics.

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
P10	1	1	1	1	1	1