

Course title	Code	semester	T+U	credit	ECTS
Database and Management Systems 2		6	3+2	4	6
Prerequisite Courses					
Language of the Course	English				
Type of Course	Compulsory				
Course Coordinator					
Instructors					
Course Assistants					
The aim of lesson	the MSSQL Server database management system and to ensure that it is an expert in fixing the errors.				
Course Learning Outcomes	<p>At the end of this course, the student;</p> <ol style="list-style-type: none"> 1. Active database management systems as software projects component way to use. 2. Ability to develop database applications both on the desktop and over the Internet. 3. Maintaining database security skill 				
Course Content	Components of database systems, database management system (DBMS) functions, architecture, data independence, data models, conceptual models, object-oriented models and relational data model. Translation of conceptual schemas to relational schemas, links, key types, functional dependency, multi-valued dependency and database design. In SQL; data definition commands, relational querying, data manipulation, SQL usage in applications and designed database update. SQL using One process creating, protection levels, use of trigger , procedure and function preparation, simultaneous control, homogeneous and heterogeneous Answers.				
Weeks	Topics				
one	Protection Levels				
2	Trigger Preparation				
3	Trigger Use of				
4	Preparing and Using Procedure and Function Subroutines 1				
5	Preparing and Using Procedure and Function Subroutines 2				
6	Package Preparation and Usage 1				
7	Package Preparation and Usage 2				
8	Simultaneous Control				
9	Homogeneous and Heterogeneous Solutions				
10	Homogeneous and Heterogeneous Solutions				
11th	Confidence Levels				
12	Confidence Levels				
13	Concurrency, Errors and Solutions				
14	Concurrency, Errors and Solutions				
General Competencies					
in SQL; It creates a database with data definition commands, relational querying, data editing, use of SQL in applications, and designed database update .					
resources					
Mcfadden , FR & Hoffer , JA, (1988). <i>Database Management</i> , The Benj./CPC _ Sen, ON, (2004). <i>Oracle (9i) - SQL, SQL+Plus , PL/ SQL and Database Management</i> , Beta Edition Publication. Yarimağan , Ü., (2000). <i>Database Systems</i> , Academy Press .					
Evaluation System					
The dates, days and hours of the Midterm, Quiz, Final Exam and Evaluations will be announced later, according to the decision of the Faculty Administrative Board.					

WITH PROGRAM LEARNING OUTCOMES COURSE LEARNING OUTCOMES RELATIONSHIP											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
LO 1	5	5	5	5	5	4	3	3	3	3	3
LO 2	4	4	4	5	4	4	4	3	3	3	3
LO 3	4	4	4	4	4	4	4	3	3	3	4
LO: Learning Outcomes OP: Program Outcomes											
Contribution	1 Very Low		2 Low		3 Medium		4 High		5 Very High		

Relation of Program Outcomes and Related Course

Lesson	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Database Management Systems	5	5	4	5	4	4	3	3	3	3	3