

Vocational School / Computer Programming

2023 - 2024 Academic Year

DATABASE APPLICATIONS

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
DATABASE APPLICATIONS	BPR2260430	Spring Semester	1+2	2	5
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Elective				
Course Coordinator	Lect. Beyza KOYULMUŞ				
Name of Lecturer(s)	Lect. Ahmet Selim ÖVER				
Assistant(s)					
Aim	The aim of this course is to transfer intermediate level programming details on Database Setup, Management and Database Management, which are most commonly encountered in business life.				
Course Content	This course contains; Introduction & Explanation of course contents, Database Setup and Configuration ,Database Management ,Database Disaster Recovery ,Data Query Operations and Conditions (SQL),Data Query Operations and Conditions (SQL),Data modification operations (DML),Data Definition Processes (DDL),Grouping Data - Group Functions,Package, Function and Procedure Writing,Package, Function and Procedure Writing,Loops,Condition Expressions,General Review.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Defines basic database concepts.			6, 8, 9	A, E	
Makes data query (SQL)			14, 8, 9	A, E	
Makes data modeling			14, 6, 9	A, E	
Writes functions and procedures			12, 6, 8, 9	A, E	
Performs data definition and modification operations			14, 6, 8, 9	A, E	
Teaching Methods	12: Problem Solving Method, 14: Self Study Method, 6: Experiential Learning, 8: Flipped Classroom Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, E: Homework				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Introduction & Explanation of course contents				
2	Database Setup and Configuration				
3	Database Management				
4	Database Disaster Recovery				
5	Data Query Operations and Conditions (SQL)				
6	Data Query Operations and Conditions (SQL)				
7	Data modification operations (DML)				
8	Data Definition Processes (DDL)				
9	Grouping Data - Group Functions				
10	Package, Function and Procedure Writing				
11	Package, Function and Procedure Writing				
12	Loops				
13	Condition Expressions				
14	General Review				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
Lecture slides and documents to be given in the course