

Vocational School / Computer Programming

2024 - 2025 Academic Year

INFORMATION TECHNOLOGIES

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
INFORMATION TECHNOLOGIES	BPR2110948	Fall Semester	3+0	3	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.Dr. Fadime DEMİRTAŞ				
Assistant(s)					
Aim	The aim of this course is to provide students with an understanding of what Information Technologies are and how they can be used for a better life at home, at work, at school and in urban life.				
Course Content	This course contains; Introduction to Technology,What is Technology,Technologies Affecting the World,Stages of Development of Technology,Introduction to Information Technologies,What is Information Technology (IT)?,Areas where IT affects human life,Computer Hardware,Computer Software,Computer Networking,Mobile Technologies,Databases,Cloud Computing and Viruses,Internet Technologies,Web Technologies,Internet Commerce (e-Commerce) and Mobile Commerce (m-Commerce),Digital State and Digital Municipality,Information Systems,Exam Preparation.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Discuss the positive and negative aspects of different information technologies.			10, 9	A, E	
Gains knowledge about the areas where Information Technologies affect human life			10, 9	A, E, G	
Technology, Information Technologies and technological change defines the concepts of			10, 16, 9	A, E, G	
Hardware, Software and Database concepts, types and knows their intended use			10, 16, 9	A, E, G	
Information Systems according to their functions classifies			10, 16, 9	A, E, G	
Teaching Methods	10: Discussion Method, 16: Question - Answer Technique, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, E: Homework, G: Quiz				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Introduction to Technology,What is Technology,Technologies Affecting the World,Stages of Development of Technology				
2	Introduction to Information Technologies,What is Information Technology (IT)?,Areas where IT affects human life				
3	Computer Hardware				
4	Computer Software				
5	Computer Networking				
6	Mobile Technologies				
7	Databases				
8	Cloud Computing and Viruses				
9	Internet Technologies				
10	Web Technologies				
11	Internet Commerce (e-Commerce) and Mobile Commerce (m-Commerce)				
12	Digital State and Digital Municipality				
13	Information Systems				
14	Exam Preparation				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			
Resources					