

**Vocational School / Computer Programming**

**2024 - 2025 Academic Year**

**WEB PROGRAMMING**

**Syllabus**

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
WEB PROGRAMMING	BPR1214987	Spring Semester	4+0	4	5
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	Short Cycle (Associate's Degree)				
<b>Course Type</b>	Required				
<b>Course Coordinator</b>	Lect. Beyza KOYULMUŞ				
<b>Name of Lecturer(s)</b>	Lect. Hamit BİÇER				
<b>Assistant(s)</b>					
<b>Aim</b>	The general aim of this course is to introduce participants/students to the basic concepts of web programming and to put its applications into the practice.				
<b>Course Content</b>	This course contains; 1. 1. The web Programming Introduction Website / The Web Programming difference,2. Create Dynamic Web Sites SQL and SQL Syntax,3. Introduction to MySQL Advanced MySQL Usage Error Detection and Analysis Programming with 4.PHP Use MySQL with PHP Application Development for 5.Web "Cookies" and "Session" s Apache,4.PHP Use MySQL with PHP Application Development ,5.Introduction to CSS HTML & CSS Introduction to HTML , 6.Table and Divs ` Forms What is bootstrap?,7. Introduction to javascript Variables Alerts,8.Functions Logical Operations Cycles,9. Triggers What is jquery? What is Ajax? ,10.Fireworks VisualBasic,11.MVC MVC Introduction,12.Asp.net MVC examples with C# Introduction to Database Linq, 13.Project phase (which will be given to students as an actualization of the application) E-commerce (database creation, site management, site template, product catalog, shopping cart, other records) SEO and Content Management (Seo analysis tools, SEO compliant content creation, content management template preparation, URLs and file control), 14. Development an application for The Web in general (server settings, stored form entries, search results, filtration, meaning the HTTP headers, the creation of sequential images, changing the existing records) Alternative Approaches Quick Solutions.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
1.Explain the basics of web programming and install necessary software applications suitable for web programming			14, 17, 6, 9	A, E, F	
2.Using functions and number of transactions by the way of programming, Summarize requester-side technologies.			14, 17, 2, 6, 9	A, E, F	
3. Define protocols and systems, which are used in the web.			17, 9	A, E	
4. Implement server-side scripting with PHP and javascript sided with the requester			14, 17, 9	A, E	
5. Develop an interactive website			17, 9	A, E, F	
6. Receive a data from a database and send to a website			14, 17, 6, 9	A, E, F	
<b>Teaching Methods</b>	14: Self Study Method, 17: Experimental Technique, 2: Project Based Learning Model, 6: Experiential Learning, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam, E: Homework, F: Project Task				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	1. 1. The web Programming Introduction Website / The Web Programming difference				
2	2. Create Dynamic Web Sites SQL and SQL Syntax				
3	3. Introduction to MySQL Advanced MySQL Usage Error Detection and Analysis Programming with 4.PHP Use MySQL with PHP Application Development for 5.Web "Cookies" and "Session" s Apache				
4	4.PHP Use MySQL with PHP Application Development				
5	5.Introduction to CSS HTML & CSS Introduction to HTML				
6	6.Table and Divs ` Forms What is bootstrap?				
7	7. Introduction to javascript Variables Alerts				
8	8.Functions Logical Operations Cycles				
9	9. Triggers What is jquery? What is Ajax?				
10	10.Fireworks VisualBasic				
11	11.MVC MVC Introduction				
12	12.Asp.net MVC examples with C# Introduction to Database Linq				
13	13.Project phase (which will be given to students as an actualization of the application) E-commerce (database creation, site management, site template, product catalog, shopping cart, other records) SEO and Content Management (Seo analysis tools, SEO compliant content creation, content management template preparation, URLs and file control)				
14	14. Development an application for The Web in general (server settings, stored form entries, search results, filtration, meaning the HTTP headers, the creation of sequential images, changing the existing records) Alternative Approaches Quick Solutions				
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		40			
General Exam		60			
<b>Resources</b>					
Lecture Presentations					