

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
PROGRAMMING LANGUAGE II	MIS2210875	Spring Semester	3+0	3	7
Prerequisites Courses	PROGRAMLAMA DİLLERİ I				
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Required				
Course Coordinator	Assist.Prof. Kevser ŞAHİNBAŞ				
Name of Lecturer(s)	Assist.Prof. Kevser ŞAHİNBAŞ, Lect. Nada A. M. MISK				
Assistant(s)					
Aim	The aim of this course is to give information about Internet programming and to teach C# and ASP.NET programs. For this purpose, it will be possible to create forms using ASP.NET, to connect to the database, to define and use variables, to create web controls and to publish them on a Web site.				
Course Content	This course contains; C # and .NET Visual Studio platform introduction,Basic data structures and examples, Examples on using the operators in the Console,Basic features and platforms in the C # language,if, for do-while, while break, continue, commands, and examples, while break, continue, goto, return usage and examples, foreach commands and examples,Array, Multidimensional arrays (matrices), Methods and related examples,Using ASP.NET and C# Web programming language preparing the pages,Ability to apply required functions for ASP.NET forms using C# Programming Language,Examples of essential functions for ASP.NET forms,Ability to develop Web Application project with ASP.NET and C#,Ability to develop Web Application project with ASP.NET and C#,Databases,ASP.NET Report Application,Build ASP.NET projects on the Web using Web services able to publish.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1. will be able to explain Visual Studio commands and their necessary steps.			16, 6	A, F	
1.1. C# software development skills increase.			14, 6	A, F	
1.2. Explains the basic properties C#.			6	F	
2. will be able to written in a scientific way the result By making the transformations of .Net programming			6	A, F	
2.1. Consolidates .Net programming			6	A, F	
2.2. Explains the basic features of .Net programming			6	F	
3. will be able to take precautions to mitigate any errors Visual Studio that may occur during use of the program or to reduce usage errors			14, 6	A, F	
3.1. Realizes the programs developed in the .Net environment.			6	A, F	
3.2. Explains the situations to be encountered during the program use.			6	A, F	
4. will be able to determine the command usage patterns in the language C#			14, 6	A, F	
4.1. Generates the necessary algorithm to develop the application in the .Net environment.			6	A, F	
4.2. Explains the basic features of Visual Studio.			6	F	
5 . will be able to develope at least one application program with the commands of Object Oriented Programming.			6	A, F	
5.1 . Explains the importance of Object Oriented Programming.			16, 6		
5.2. Uses Object Oriented Programming commands.			6	F	
6 .Will be able to develop at least one Visual Studio.NET and Form-based Application program.			6	A, F	
6.1 . Explains Visual Studio.NET and Form-Based Applications.			6	F	
6.2. Develops Visual Studio.NET and Form-Based Applications.			6	F	
Teaching Methods	14: Self Study Method, 16: Question - Answer Technique, 6: Experiential Learning				
Assessment Methods	A: Traditional Written Exam, F: Project Task				
Lecture Schedule					
Sequenc e	Topics	Preliminary Preparation			
1	C # and .NET Visual Studio platform introduction				
2	Basic data structures and examples, Examples on using the operators in the Console				
3	Basic features and platforms in the C # language				
4	if, for do-while, while break, continue, commands, and examples, while break, continue, goto, return usage and examples, foreach commands and examples				
5	Array, Multidimensional arrays (matrices), Methods and related examples, Functions and related examples				
6	Using ASP.NET and C# Web programming language preparing the pages				
7	Ability to apply required functions for ASP.NET forms using C# Programming Language				
8	Examples of essential functions for ASP.NET forms				
9	Ability to develop Web Application project with ASP.NET and C#				
10	Ability to develop Web Application project with ASP.NET and C#				
11	Databases				
12	ASP.NET Report Application				
13	Build ASP.NET projects on the Web using Web services able to publish				
Evaluation Methods		Weight(%)			
(Midterm Exam) Project for Midterm		40			
Midterm Exam		40			
(General Exam) Question from projects (%20) in the General Exam		20%			

General Exam

60

Resources

Mark J. Price, Seventh Ed.,
<https://dl.ebooksworld.ir/books/CSharp.11.and.NET.7.Modern.Cross-Platform.Development.Fundamentals.7th.Edition.Mark.J.Price.Packt.9781803237800.EBooksWorld.ir.pdf>
BEGINNERS TO EXPERT GUIDE MICROSOFT VISUAL STUDIO PROFESSIONAL 2022: Start coding as a beginner, by Henderson Sandals, 2022.