

	Bakı Mühəndislik Universiteti	Fənn sillabusu	
Sənədin kodu: BEU-FR-001-EN	Təsdiq tarixi:	Revizya olunma № / Tarixi:	Səhifə № 1/3

SYLLABUS

Təsdiq edirəm
Kafedra müdiri

" ____ " _____ 20 ____ -ci il

Course Content	Faculty:	Mühəndislik			
	Department:	Kompüter və İnformasiya Texnologiyaları			
	Speciality(ies)/Course(s):	Kompüter Mühəndisliyi			
	Subject code and name:	COMP 345 Müasir proqramlaşdırma dilləri I			
	Education Year - Semester	2021 – 2022 / 1			
	Level:	bachelor			
	Language:	En			
	Compulsory / Elective:	Elective			
	Prerequisite:				
	Instructors:	Rasim Mahmudov			
	Email:	ramahmudov@beu.edu.az			
	Phone:	+99455-705-92-89			
	Consulting Hours and place:	Wednesday, 12:00 - 14:00, Place: 312			
Subject hours				Credits	
Theory	Seminar	Laboratory	Total	Credit	ECTS
2	2	0	4		
Learning Objectives:		This course introduces computer programming using the C# programming language with object oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test, debug, and implement objects using the appropriate environment at the beginning level.			
Learning Outcomes and Competences:		Students will learn how to • Create, compile and run object-oriented C# programs using Visual Studio • Write and understand C# language constructs, syntax and semantics • Develop reusable .NET components via interface realization and standard design patterns • Leverage the major namespaces and classes of the .NET Framework			
Text books and/or References:		C# 7.0 All-in-One For Dummies, 2018, Microsoft Visual C# 2013 Step by Step, Troelsen, Andrew (2012). Pro C# 5.0 and the .NET 4.5 framework			

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		Programming with Windows Forms .NET 7.0 Introduction to C# H.Mössenböck		
Assessment Criteria	Student workload	Methods	Percent	
	Midterm Activity -1	Task		
	Midterm Activity -2	Task		
	Midterm Activity -3	Task		
	Attendance			
	Midterm Individual Activity	Task		
	Laboratory Work			
	Final Exam	Verbal / Test		
		Other		
Week	Subjects	Theory	Seminar	Laboratory
1	Introduction to .NET and C# ToolBox components, types and properties	2	2	
2	C# Operators	2	2	
3	String functions, Character Functions, DateTime functions & Math functions	2	2	
4	C# Data Types. Random function. PictureBox control	2	2	
5	ListBox, ListView, TreeView control	2	2	
6	Creating multiple forms. Static & Dynamic Arrays	2	2	
7	Delegates & Events	2	2	
8	Graphics in C#	2	2	
9	C# Methods, Functions and types (Public, static, private, internal, protected)	2	2	
10	Interfaces and Abstract Classes in C#	2	2	
11	Dialog boxes. Menus, Toolbars and Status Bars	2	2	
12	DLLs and APIs. Usage of SMPT protocol. Threads	2	2	
13	Server – Client requests	2	2	
14	Directory and File Streams	2	2	
15	Windows services. Packaging and Deployment. Repetition all previous topics	2	2	

Evaluation criteria:

91 – 100 grades	excellent	A
81 – 90 grades	Very good	B
71 – 80 grades	good	C
61 – 70 grades	sufficient	D
51 – 60 grades	satisfactory	E

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<51 grades	unsufficient	F
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Instructor: Rasim Mahmudov Reymud
(Name, surname, middle name)

Signature: 

Date: 15.09.21