



ESOGÜ Mathematics and Computer Sciences Department
COURSE INFORMATION FORM

SEMESTER Spring

COURSE CODE	821614005	COURSE NAME	Visual Programming II
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SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Labratory	Credit	ECTS	TYPE	LANGUAGE
4	3	0	0	3	5	COMPULSORY (X) ELECTIVE ()	Turkish

COURSE CATAGORY

Mathematics	Computer	Social Science
X		

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
	MID-TERM	1st Mid-Term	
2nd Mid-Term			
Quiz			
Homework			
Project		1	50
Report			
Others (.....)			
FINAL EXAM		1	50
PREREQUIEITE(S)	None		
COURSE DESCRIPTION	Filing in VC# programming, FileStream, StreamReader and StreamWriter classes, using database, access to sql database, sql queries, ADO.NET, LINQ.		
COURSE OBJECTIVES	The aim of the course is to introduce the concepts and techniques involved in the basic topics listed in this lecture and to develop skills in applying those concepts and techniques to the write computer program with VC#.		
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Gain the ability to develop software of computer by using VC#.		
COURSE OUTCOMES	Give students basic information about VC# and to enable them to develop software of computer.		
TEXTBOOK	Sefer Algan, Her Yönüyle C#, Pusula Yayıncılık, 2010.		
OTHER REFERENCES	Volkan Aktaş, Visual Studio 2010 İle Her Yönüyle C# 4.0, Kodlab Yayıncılık, 3. baskı, 2011.		
TOOLS AND EQUIPMENTS REQUIRED	Personal Computers.		

COURSE SYLLABUS	
WEEK	TOPICS
1	Information About Filing
2	FileStream Class
3	StreamReader Class
4	StreamWriter Class
5	Databases
6	Databases
7	Sql Queries
8	Midterm
9	Sql Queries
10	ADO.NET
11	ADO.NET
12	LINQ
13	LINQ
14	Project Presentation
15	Project Presentation
16,17	Final Exam

NO	PROGRAM OUTCOMES	3	2	1
1	The ability to apply knowledges of Mathematics and Computer Sciences,	X		
2	To have sufficient theoretical and practical knowledge of Mathematics at international level,		X	
3	The ability of describing, modelling and solving of mathematical problems at Mathematics and related subjects,		X	
4	The skill to solve and design a problem process in accordance with a defined target,		X	
5	Skills to analyze data, interpret and apply to other datum and using these data on computer,	X		
6	The skill to use the modern techniques and computational tools needed for mathematical applications,	X		
7	The skill to make team work within the discipline and interdisciplinary,		X	
8	The ability to improve oneself by following the developments on other modern, scientific and technological subjects as well as Mathematics and Computer Sciences,		X	
9	The skill to communicate orally and in written way, in a clear and concise manner by having individual work skills and ability to independently decide and analytical thinking,		X	
10	The skill to have professional and ethical responsibility,		X	
11	The skill to have consciousness for quality issues and scientific research,		X	
12	The skill to be sensitive to environmental issues related with problems and development of living area and consistent in the social relations,		X	
13	Ability to solve problems in the working life faced to find an appropriate algoritms via mathematical modeling and to write computer programs,	X		
14	The skill to developed design of software systems at different complex levels,	X		
15	The credence of necessity of life-long learning and ability to apply the formation long-life learning.		X	
1:None. 2:Partially contribution. 3: Completely contribution.				

Instructor(s): Prof. Dr. Bülent SAKA

Signature:

Date: 29.08.2022