BASIC PROGRAMMING

1	Course Title:	BASIC PROGRAMMING
2	Course Code:	BIL2103
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	3
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	-
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç.Dr. ADEM UZUN
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	
17	Website:	http://uzaktanogren.ademuzun.com
18	Objective of the Course:	The purpose of this course is to give teacher candidates fundamental information about basic concepts of programming such as variables, data structures, algorithm, decision structures and loops. In addition giving teacher candidates the basic competencies necessary to develop software is another purpose of that course.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Knows the algorithm and flow chart..
	2	Knows historical development of programming languages.
	3	Identifies data structures and variables, also explains the purpose to use them.
	4	Uses decision structures.
	5	Uses conditional loops.
	6	Codes subroutines and functions.
	7	Chooses required objects in order to design an interface.
	8	Stores, reads and modifies the persistent data using files.
	9	
	10	
21	Course Content:	

Course Content:

Week	Theoretical	Practice
1	Introduction– Historical change in programming languages Algorithm and flow chart	Classification of programming languages according to the the types , comparison of application development platforms used today. Using algorithm and flow charts to solve problems.

2	Introduction to Visual Basic .NET 2010	Installing Visual Basic .NET 2010. Interface of Visual Basic .NET 2010. Customising of interface of Visual Basic .NET 2010.
3	Variables in Visual Basic .NET 2010	Definition of data and data types. Choosing appropriate variables according to data. Clarifying memory usage of variables.
4	Structures and arrays inVisual Basic .NET 2010	Using structures. Using arrays.
5	Decision structures in Visual Basic .NET 2010	Applications of If..Else..End If
6	Decision structures in Visual Basic .NET 2010	Applications of Select
7	Conditional loops in Visual Basic .NET 2010	Applications of For Next
8	Conditional loops in Visual Basic .NET 2010	Applications of Do Loop
9	Subroutines and functions in Visual Basic .NET 2010	Applications of Subroutine
10	Visual Basic .NET 2010'da alt program ve fonksiyon kullanımı	Applications of Function
11	Concept of object Basic controls inVisual Basic .NET 2010	Definition of property, event and method and examples of some objects used in Visual Basic 2010 Basic properties, events and methods of Button, Textbox, RadioButton, Checkbox, Listbox ve Combobox
12	Working with folders and files in Visual Basic .NET 2010	Creating folders, checking the existance of a folder, deleting folders. Creating files, checking the existance of a file, deleting files, writing to a file and reading from a file
13	Working with folders and files in Visual Basic	Developing a software Project using folders and files

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	14	3.00	42.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Mid term exams	1	16.00	16.00
Others	13	4.00	52.00
Final Exams	1	30.00	30.00
Total Work Load			226.00
Total work load/ 30 hr			7.00
ECTS Credit of the Course			4.00

| 22 | Textbooks, References and/or Other | Profesyonel Programlama Teknikleri .NET 2007, Tansu ..., Visual Basic .NET Complete, 2002, Greg Jarboe, Hollis Thomases, Mari Smith, Chris Treadaway Dave Evans ..., Visual Basic 2005 Programmers' Reference, 2005, Rod Stephens, Wrox ... |
| 23 | Assessment | |

		Number		
Midterm Exam	1	40.00		
Home work-project	0	0.00		
Final Exam	1	60.00		
Total	2	100.00		
Contribution of Term (Year) Learning Activities to Success Grade	40.00			
Contribution of Final Exam to Success Grade	60.00			
Total	100.00			
Measurement and Evaluation Techniques Used in the Course				

24	**ECTS / WORK LOAD TABLE**

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	5	0	4	0	0	0	0	0	0	0	4	0	0	0	0
ÖK2	4	0	4	4	0	3	0	0	0	0	0	3	0	0	0	0
ÖK3	5	4	4	5	0	0	0	0	0	0	0	3	0	0	0	0
ÖK4	5	4	4	5	0	0	0	0	0	0	0	3	0	0	0	0
ÖK5	5	4	4	5	0	0	0	0	0	0	0	3	0	0	0	0
ÖK6	5	4	4	5	0	0	0	0	0	0	0	3	0	0	0	0
ÖK7	5	4	4	4	0	0	0	0	0	0	0	3	0	0	0	0
ÖK8	4	4	3	5	0	0	0	0	0	0	0	0	0	0	0	0

LO: Learning Objectives   PQ: Program Qualifications

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High