FUNDAMENTALS OF COMPUTER PROGRAMMING											
1	Course Title:	FUNDAMENTALS OF COMPUTER PROGRAMMING									
2	Course Code:	END1030									
3	Type of Course:	Compulsory									
4	Level of Course:	First Cyc	le								
5	Year of Study:	1									
6	Semester:	2									
7	ECTS Credits Allocated:	4.00									
8	Theoretical (hour/week):	2.00									
9	Practice (hour/week):	0.00									
10	Laboratory (hour/week):	2									
11	Prerequisites:	-									
12	Language:	Turkish									
13	Mode of Delivery:	Face to face									
14	Course Coordinator:	Dr. Ögr. Üyesi BESİM TÜRKER ÖZALP									
15	Course Lecturers:	-									
16	Contact information of the Course Coordinator:	tozalp@uludag.edu.tr, 0-224-2942090, Endüstri Müh. Bölümü Oda No:302 Görükle Bursa									
17	Website:	http://www20.uludag.edu.tr/~tozalp									
18	Objective of the Course:	Introduction to computer programming with the impacts of computers on society and engineering. Emphasis will be placed on algorithms and logical problem solving methods.									
19	Contribution of the Course to Professional Development:	To be able to use basic computer applications. To be able to comprehend algorithm logic for solving basic mathematical problems. Ability to categorize computational problems and offer potential solutions. Being able to design algorithms and software within computer skills. To be able to follow the literature about programming and use international resources.									
20	Learning Outcomes:										
		1	To be able to use basic computer applications.								
		2	To be able to comprehend the logic of the algorithms for the solution of basic mathematical problems.								
		3	To be able to categorize computational problems and offer potential solutions to them.								
		4	To be able to design algorithms and software within computer skills.								
		5	To be able to follow the literature on programming and use international resources.								
		6									
		7									
		8									
		9									
		10									
21	Course Content:										
	Course Content:										

Week	Theoretical		Practice							
1	Computers and introduction to Visual	Basic.	Visual Studio introduction.							
2	Visual Basic Development Environme Introduction to Console Application. Arithmetic, equality and relation opera	ent, ators.	Visual Studio Integrated Development Environment (IDE) and Console applications.							
3	Introduction to Control Statements. Algorithms, flow charts, pseudocode preparation.		Console applications regarding the theoretical lecture topic.							
4	Control structures, If Then selection statement, IfThenElse selection statement.	n	Console applications regarding the theoretical lecture topic.							
5	While loop statement, Do WhileLoo statement. Do UntilLoop statement compound assignment operators.	р ,	Console applications regarding the theoretical lecture topic.							
6	Counter-controlled loops, sentinel-con loops.	ntrolled	C to	Console applications regarding the theoretical lecture topic.						
7	Nested control statements, nested loc statements.	ор	C to	Console applications regarding the theoretical lecture topic.						
8	For Next loop statement. Select multiple selection statement.	Case	C to	Console applications regarding the theoretical lecture topic.						
9	DoLoop While statement, DoLoo statement.	p Until	C to	onsole applications reg pic.	garding the theoreti	cal lecture				
10	Using Exit and Continue in loops. Log Operators.	gical	C to	onsole applications reg pic.	garding the theoreti	cal lecture				
11 Activit	Introduction to methods: Modules and es	<u> </u>	С	onsole applications rec Number	parding the theoreti Duration (hour)	cal lecture Total Work Load (hour)				
Theore		ra value.		14	2.00	28,00				
Practic	als/Labs	meters.	C	14	2.00	28.00				
Self stu	dy and preperation			14	3.00	42.00				
Homew	Vorks	umont		2	10.00	20.00				
Project	reference. Recursion. Random numb	er		0	0.00	0.00				
Field S	tudies			0	0.00	0.00				
M 22 ern	Textinos ks, References and/or Other		Ρ	Deitel, Visual Basic 2008 – How to Program, Prentice						
Others	Motoriolo			0	0.00 0.00					
Final E	xams			1	1.50	1.50				
Total W	Vork Load		I W	FIGHT		122.50				
¶∕iætae w	୭୦/ឝେଏ ଡି ଣପ/ 30 hr	1	2	0.00		4.03				
ECTS (Credit of the Course					4.00				
Home	work-project	1	20	0.00						
Final E	xam	1	60.00							
Total		3	100.00							
Contrib Succes	oution of Term (Year) Learning Activitie ss Grade	es to	40.00							
Contrib	oution of Final Exam to Success Grade)	60.00							
Total			1(100.00						
Measu Course	rement and Evaluation Techniques Us	ed in the	The proficiency of the students is measured and evaluated by homework, midterm and final exams.							
24 ECTS / WORK LOAD TABLE										

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	3	3	0	5	0	0	3	0	0	0	0	4	4	0	0	0
ÖK2	3	3	0	5	0	0	3	0	0	0	0	4	4	0	0	0
ÖK3	3	3	0	5	0	0	3	0	0	0	0	4	4	0	0	0
ÖK4	3	3	0	5	0	0	3	0	0	0	0	4	4	0	0	0
ÖK5	3	3	0	5	0	0	3	0	0	0	0	4	4	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low 2 low			3 Medium			4 High			5 Very High						