	INTRODUCTION T	то сс	MPUTER PROGRAMMING						
1	Course Title:	INTROD	DUCTION TO COMPUTER PROGRAMMING						
2	Course Code:	CEV1025							
3	Type of Course:	Compulsory							
4	Level of Course:	First Cycle							
5	Year of Study:	1							
6	Semester:	1							
7	ECTS Credits Allocated:	2.00							
8	Theoretical (hour/week):	1.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	2							
11	Prerequisites:	None	None						
12	Language:	Turkish							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Öğr. Gör. Dr. Yusuf Alptekin TÜRKKAN							
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	Dr.Öğr.Üyesi Kenan TÜFEKCİ Bursa Uludağ Üniversitesi Mühendislik Fakültesi Makina Mühendisliği Bölümü tel: 0224 2942794 email: kenantufekci@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	It aims to provide students with an understanding of the role computation can play in solving problems and to help students, regardless of their major, feel justifiably confident of their ability to write small programs that allow them to accomplish useful goals. The class uses the C# programming language.							
19	Contribution of the Course to Professional Development:	The course provides coding of engineering calculations made in other courses in computer programming language, thus preventing loss of time in professional life.							
20	Learning Outcomes:								
		1	Be able write a computer program about basic engineering problems						
		2	Be able to gain the ability to use theoretical data correctly in professional activities and develop potential skills,						
		3	Be able to gain the ability to identify environmental engineering problems, develop algorithms, formulate and solve them, he / she makes the most of computer facilities.						
		4							
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		7							
		8							
		9							
		10							
21	Course Content:								
		Co	ourse Content:						
Week	Week Theoretical Practice								

1	hardw	ntroduction to computer programming, nardware, software, operating systems, algorithm concept							Recognizing and communicating with the basic input- output units of the computer.									
2		roblem solution steps, algorithm and flow agrams with computer, loop concept								Creating an algorithm that finds fibonacci numbers.								
3	Exam	xamples of algorithms and flow charts								eate a juation		art that	finds th	ne root	s of a q	uadratic		
4	Deter #.	Determining the limits of variables used in C							De	Determining the limits of variables used in C #.								
5	Comparison Structures. Nested if-else statements.								Writing a C program that finds the roots of a quadratic equation.									
6	Loops: While, Do-While Structures								Finding odd and even numbers between two given numbers.									
7	For lo	op -	nest	ed for	loops				De	Determination of prime numbers in a certain range.								
8	One-d	dime	ensior	nal arra	ays				Fi	nding t	he ave	rage of	grades	in a cl	ass			
9	Two-d	One-dimensional arrays Two-dimensional arrays								alculati ades	ng the	averag	e of a c	lass gi	ven mid	Iterm and	d final	
10	Operations with two dimensional arrays. Matrix addition, subtraction.							-	sum of two matrices									
11	Binar	Binary method in one dimensional matrices						Sc	Sort the number of randomly entered 50 pieces.									
12	Defini	Defining functions, sending parameters.							Fa	Faktöriyel, kombinasyon ve permütasyon hesapları								
13		Conditional work with the Switch-Case command.							Cr	Creating letter grades in a calculated average class								
14																		
Activit	•									Numb	er			ition (ŕ	Total W Load (h		
TERM TEARNING ACTIVITIES NUMBE						W	WERGHT			1.00			14.00					
	Practicals/Labs									14						28.00		
Solf-study and preperation											0.00				0.00			
	Homeworks									0			0.00	0.00			0.00	
Project	Projects									60.00			0.00			0.00		
Field S	Field Studies									0 0.00					0.00			
Midterr	term exams								10	8.00					8.00			
Others	ners								0			0.00	0.00			0.00		
Einal E	Final Exams Contribution of Final Exam to Success Grade							60	60 00					10.00				
Total V	al Work Load														60.00			
Total w	ork loa	ad/ 3	30 hr					1								2.00		
ECTS (CTS Credit of the Course								2.00									
24	ECT	S/	WOF	RK L	OAD	TAB	LE		•									
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																		
	Р	Q1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16	
											0			3	_,,,,			
ÖK1	5		5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK2	4		5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK3	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

LO: Learning Objectives PQ: Program Qualifications

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