	INTRODUCTION 1	ro co	MPUTER PROGRAMMING					
1	Course Title:	INTRODUCTION 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:	6.00						
8	Theoretical (hour/week):	2.00						
9	Practice (hour/week):	0.00						
10	Laboratory (hour/week):	2						
11	Prerequisites:	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.					
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		9						
		10						
21	Course Content:							
	Course Content:							
Week	Theoretical		Practice					

1	hardw	troduction to computer programming, ardware, software, operating systems, gorithm concept						unicating with the basic input- outer.									
2		Problem solution steps, algorithm and flow Creating an algorithm the iagrams with computer, loop concept							hat find	at finds fibonacci numbers.							
3	Exam	amples of algorithms and flow charts							Create a flowchart that finds the roots of a quadratic equation								
4	Deter #.	termining the limits of variables used in C					De	Determining the limits of variables used in C #.									
5		mparison Structures. Nested if-else Itements.						Writing a C program that finds the roots of a quadratic equation.									
6	Loops	ops: 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-o	dime	ensior	nal arra	ays				Fin	Finding the average of grades in a class							
9	Two-o	vo-dimensional arrays							Calculating the average of a class given midterm and final grades								
10		perations with two dimensional arrays. atrix addition, subtraction.						sur	sum of two matrices								
11	Binar	nary method in one dimensional matrices						So	Sort the number of randomly entered 50 pieces.								
12	Defini	fining functions, sending parameters.						Fal	Faktöriyel, kombinasyon ve permütasyon hesapları								
13		nditional work with the Switch-Case nmand.						Cre	Creating letter grades in a calculated average class								
14	Gene	ral r	eview	and s	sampl	e progi	rams.		Nu	merica	ally solv	ving opt	timizatio	on prot	olems.		
Activit	Activites						٦	Number			Duration (hour)			Total Work Load (hour)			
TERME	te ARN	ING	ACTI	VITIES			N	UMBE	: wé	wéłgнт			2.00 28.0			28.00	
Practicals/Labs						1	14			2.00	2.00 28.00						
Self stu	Self study and properation										3.00 42.00						
Homeworks								3			12.00	12.00 36.0					
Project	jects											0.00	0.00			0.00	
Field St	d Studies						-	0			0.00			0.00			
Midtern	rm exams						1	100.00			20.00 2			20.00			
Others		<u></u>	<u>~ ~~~ //</u>	<u>/~~~</u> _				*~		0			0.00			0.00	
Einal E	inal Exams optribution of Final Exam to Success Grade							60 ¹ 00			30.00			30.00			
Total W	Contribution of Final Exam to Success Grade													184.00			
Total w	Total work load/ 30 hr													6.13			
ECTS (ECTS Credit of the Course						6.00										
24	ECT	S/	WO	RK L	OAD	TAB	LE										
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	P	Q1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
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
							L	tives					alifica				<u> </u>

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