BASIC PROGRAMMING									
1	Course Title:	BASIC F	BASIC PROGRAMMING						
2	Course Code:	BIL2103							
3	Type of Course:	Compuls	sory						
4	Level of Course:	First Cyc	cle						
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 f	ace						
14	Course Coordinator:	Dr. Ögr.	Üyesi ÖMER UYSAL						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	e-posta: omeruysal@uludag.edu.tr Tel: 224 2955027 Adres: Bursa Uludağ Üniversitesi Eğitim Fak. Bilgisayar ve Öğretim Teknolojileri Eğitimi Bölümü A Blok, Kat:3 Oda No: 308 Görükle Yerleşkesi 16059 Görükle/ BURSA							
17	Website:	https://ukey.uludag.edu.tr/p! UIRDXFhbCHhbVzNaXxFRKVZMQi4pL1YxeH0hR0sf!/							
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 with using C programming language.							
19	Contribution of the Course to Professional Development:	It enables them to use the theories and applications specified in the purpose of the course in their professional practice.							
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	Uses arrays.						
		8	Stores, reads and modifies the persistent data using files.						
		9							
		10							
21	Course Content:								
107		Co	purse Content:						
			Practice						
1	Programming and basic concepts								
2	Introduction to C								

3	Variables, Constants and Operators		Applications of Variables, Constants and Operators					
4	Control Structures		Applications of IfElseEnd If					
5	Loops		Applications of For Next					
6	Loops		Applications of Do Loop					
7	Functions and Structural Programmir	ng	Applications of Functions and Structural Programming					
8	Arrays		Applications of Arrays					
9	Pointers		Applications of Pointers					
10	Strings		Applications of Strings					
11	Structures		Applications of Structures					
12	Structures		Applications of Structures					
13	File Operations		Applications of File Operations					
14	File Operations		Applications of File Operations					
22	Textbooks, References and/or Other Materials:		Taşbaşı, G. M. (2005). Basic C Programming. İstanbul: Altaş Press. Taşbaşı, G. M. (2014). Advanced C Programming. İstanbul: Altaş Press. Arslan, R. S., Azgınoğlu, N. ve Taşyürek, M. (2022). C ile Programlama Başlangıçtan İleri Seviyeye. Ankara: Nobel Akademik Yayıncılık.					
23	Assesment							
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT					
Midtern	n Exam	1	20.00					
Quiz		0	0.00					
Home v	work-project	5	20.00					
Final E	xam	1	60.00					
Total		7	100.00					
Contribution of Term (Year) Learning Activities to Success Grade			40.00					
Contrib	ution of Final Exam to Success Grade	9	60.00					
Total			100.00					
Measur Course	•	sed in the	Process evaluation will be applied during the period. Practical exam method will be applied in midterm and final exam.					
24	ECTS / WORK LOAD TABLE							

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	14	1.00	14.00
Homeworks	0	0.00	0.00
Projects	13	1.00	13.00
Field Studies	0	0.00	0.00
Midterm exams	1	16.00	16.00
Others	0	0.00	0.00
Final Exams	1	21.00	21.00
Total Work Load			120.00
Total work load/ 30 hr			4.00
ECTS Credit of the Course			4.00

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