INTRODUCTION TO COMPUTER PROGRAMMING

1	Course Title:	INTRODUCTION TO COMPUTER PROGRAMMING
2	Course Code:	BMB1002
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:	Dr. Ögr. Üyesi EROL SOLMAZ
15	Course Lecturers:	Yok
16	Contact information of the Course Coordinator:	Dr.Öğr.Üyesi Erol Solmaz e-posta :esolmaz@uludag.edu.tr Tel : 0 224 2941985
17	Website:	
18	Objective of the Course:	The purpose of this course is to give the student engineering problem solving skills to write programs in C language and to develop algorithms
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	

		1	Problems facing the field of automotive engineering, mathematics, science and engineering can solve using the computer program
		2	Analyze and prepare the algorithm needed to solve the problem
		3	Grasp the logic of computer programming, mathematics, science, and gains the ability to solve engineering problems by writing computer programs
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21	Course Content:	

Course Content:		
Week	Theoretical	Practice
1	Introduction to computers, hardware, software, operating systems, algorithms.	

2	Steps of solving problems with computer programming, algorithms and flow charts, loops.	
3	Examples of algorithms and flow charts.	
4	Introduction to C language, structure of a C program, naming of variables, data types, read and write commands, operators, C editor.	
5	Input and output wih formatting, arithmetic functions.	
6	Condition commands:, if command.	
7	Condition commands: switch -case, Loops: for command.	
8	Loops: while, do-while command,	
9	Repeating courses and midterm exam	
10	Arrays, 2 dimensional arrays, matrices.	
11	Subroutines: Function	
12	Subroutines: Function, with or without parameters.	
13	Subroutines: void.	
14	Files	

22	Textbooks, References and/or Other Materials:	1. Algoritma Geliştirme ve Programlamaya Giriş, Dr. Fahri Vatansever, Seçkin Yayınları

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	3.00	42.00
Homeworks	8	5.00	40.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	20.00	20.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			178.00
Total work load/ 30 hr			5.93
ECTS Credit of the Course			6.00

TERM LEARNING ACTIVITIES	NUMBE	WEIGHT
Midterm Exam	1	40.00
Home work-project	0	0.00
Total	2	100.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00

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	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	4	4	0	0	0	3	0	0	0	0	0	0	0	0	0	0
ÖK3	4	0	0	4	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

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