INTRODUCTION TO COMPUTER PROGRAMMING									
1	Course Title:	INTROD	UCTION TO COMPUTER PROGRAMMING						
2	Course Code:	BMB100	2						
3	Type of Course:	Compuls	sory						
4	Level of Course:	First Cyc	le						
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 f	face						
14	Course Coordinator:	Prof. Dr. NECMETTIN KAYA							
15	Course Lecturers:	Dr. Öğr.	Üy. Erol Solmaz						
16	Contact information of the Course Coordinator:	Prof.Dr. Necmettin Kaya necmi@uludag.edu.tr 224-2941979 U.Ü. Müh. Mim. Fak., Makine Mühendisliği Bölümü Bursa							
17	Website:	http://homepage.uludag.edu.tr\~necmi\bpg.htm							
18	Objective of the Course:	The purpose of this course is to give the student engineering problem solving skills to write programs in Python language and to develop algorithms.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Be able to write computer programs to solve mathematics, physics and engineering problems						
		2	Be able to use theoretical knowledge on professional activities and develop own skills in this context,						
		3	Identifying problems in mechanical engineering, algorithm development, gaining the ability to formulate and solve with computer facilities.						
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21	Course Content:								
		Co	ourse Content:						
Week	Theoretical		Practice						
1	Introduction to computers, hardware software, operating systems, algorith	, ims.							

2	Steps of solving problems with computer programming, algorithms and flow charts, loops.																
3	Exar	Examples of algorithms and flow charts.															
4	Introduction to Python language, structure of a Python program, naming of variables, data types, operators, data input																
5	Mod	Modules and built-in functions															
6	Con	Condition commands															
7	Loops: While																
8	Loop	Loops: For															
9	Exar	mple	s and	Soluti	ons												
10	Lists, Matrix																
11	Fund	ctions	S														
12	Files	6															
13	Grap	ohics															
14	Exar	mple	s and	Soluti	ons												
22	Text Mate	Textbooks, References and/or Other Materials:						1. Va 2. Ya 3	 Algoritma Geliştirme ve Programlamaya Giriş, Dr. Fahri Vatansever, Seçkin Yayınları Herkes için Python, Bülent Çobanoğlu, Pusula Yayıncılık A Primer on Scientific Programming with Python, Hans 								
ACIIVII	Activites						- 1.4				Dura				Load (hour)		
					: W	WEAGHT 2.0			2.00	0		28.00					
Practica	als/La	abs								14			1.00			14.00	
Self stu Ouiz	idy ai	nd pr	epera	tion			0		0	14			1.00			14.00	
Homew	vorks									7			4.00			28.00	
Final F	s xam						1		6				0.00			0.00	
Field St	tudie	S								0			0.00			0.00	
Midterm exams Contribution of Term (Year) Learning Activities to Others					4					10.00							
Others	ners 0					0			0.00			0.00					
	Contribution of Final Exam to Success Grade 60.00 15.00								15.00								
Total W			20 hr						\rightarrow				-			129.00	
Hotal Work 1000/ 30 hr Measurement and Evaluation Techniques Used in the								6.00									
24						TAD			_							0.00	
24		13/	WU														
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS											-						
	I	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	(0	0	0	3	0	0	0	0	0	3	0	0	0	0	0	0
ÖK3	(0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
			I	_O: L	.earr	ning C	bjec	tive	S	PQ: P	rogra	m Qu	alifica	tions	5		

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