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	cle							
5	Year of Study:	1	1							
6	Semester:	2								
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:									
12	Language:	Turkish								
13	Mode of Delivery:	Face to	face							
14	Course Coordinator:	Dr. Ögr.	Üyesi HAKAN TACETTİN TÜRKER							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	hakanttu	ırker@uludag.edu.tr							
17	Website:	http://insaat.uludag.edu.tr								
18	Objective of the Course:	The objective of this course is to provide the ability of algorithm creation and the basics of programming concepts by using Python programming language and enable students to gain experience in laboratory environment.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Understanding of computer logic							
		2	Gain skills in algorithm development for given problems using basic rules							
		3	Ability of use basic commands of Python							
		4	Code creation for engineering problems by using Python programing language							
		5	To be capable of analyze and generation a code about engineering problem in laboratory.							
		6								
		7								
		8								
		9								
		10								
21	Course Content:		•							
10/	<b>T</b>	Co	ourse Content:							
Week			Practice							
1	Computer and programing Logic		Laboratory Application							
2	Development of Algorithm and basic	rules	Laboratory Application							

3	Python Basics: Running Python, Pyth Comments, Data Types, Variables, V Python Module print() Function		Laboratory Application						
4	Expressions and Arithmetic		Laboratory Application						
5	Conditional Statements - Boolean expressions - If/Else statement - Other Conditional Expressions		Laboratory Application						
6	Iteration - Loops, for, while		Laboratory Application						
7	Iteration - Loops, for, while		Laboratory Application						
8	Using Functions		Laboratory Application						
9	Writing Functions -1		Laboratory Application						
10	Writing Functions -1		Laboratory Application						
11	Lists, Tuples - Using Lists		Laboratory Application						
12	Lists, Tuples - Using Lists - Building Lists		Laboratory Application						
13	Dictionaries		Laboratory Application						
14	Graphic processing		Laboratory Application						
22	Textbooks, References and/or Other Materials:		-Mustafa Başer, Python, dikeyeksen, 2015. -Fırat Özdil, Her Yönüyle Python, Kodlab, 2016						
23	Assesment								
TERM LEARNING ACTIVITIES NUM		NUMBE R	WEIGHT						
Midterm Exam 1		1	40.00						
Quiz 0			0.00						
Home work-project 0			0.00						
Final Exam 1			60.00						
Total 2  Contribution of Term (Year) Learning Activities to Success Grade			100.00 40.00						
Contribution of Final Exam to Success Grade			60.00						
Total	Total		100.00						

Measurement and Evaluation Techniques Used in the Course  24 ECTS / WORK LOAD TABLE		
24	ECTS / WORK LOAD TABLE	

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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	7.00	98.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	10.00	10.00
Others	0	0.00	0.00
Final Exams	1	10.00	10.00
Total Work Load			174.00
Total work load/ 30 hr			5.80
ECTS Credit of the Course			6.00

Loto credit of the course							0.00									
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	4	3	4	2	3	3	4	2	0	0	0	0	0	0	0	0
ÖK2	3	5	5	3	4	3	4	4	0	0	0	0	0	0	0	0
ÖK3	3	4	2	4	4	4	3	5	0	0	0	0	0	0	0	0
ÖK4	3	3	3	2	4	5	5	2	0	0	0	0	0	0	0	0
ÖK5	4	5	5	5	2	4	3	3	0	0	0	0	0	0	0	0
		l	LO: L	.earr	ning (	bjec	tive	s P	Q: P	rogra	m Qu	alifica	tions		•	•
Contrib 1 very low 2 ution Level:		2 low		3 Med			lium 4 High			5 Very High						