	B	ASIC	PHYSICS II						
1	Course Title:	BASIC P	PHYSICS II						
2	Course Code:	FZK1072	2						
3	Type of Course:	Compuls	sory						
4	Level of Course:	First Cyc	le						
5	Year of Study:	1							
6	Semester:	2							
7	ECTS Credits Allocated:	6.00							
8	Theoretical (hour/week):	3.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	2							
11	Prerequisites:								
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	ace						
14	Course Coordinator:	Prof. Dr.	AYŞEGÜL KAHRAMAN						
15	Course Lecturers:	Doç. Dr.	Ayşegül KAHRAMAN						
16	Contact information of the Course Coordinator:	aysegulk	@uludag.edu.tr						
17	Website:								
18	Objective of the Course:	The aim of this course is to teach concepts related to electricity a magnetism , to explain electricity laws and relation of between th physical concepts. To teach how is applied the physic laws to so the problems.							
19	Contribution of the Course to Professional Development:	The aim of this course is to teach concepts related to electricity and magnetism, to explain electricity laws and relation of between the physical concepts. To teach how is applied the physic laws to solve the problems.							
20	Learning Outcomes:								
		1	The student can solve engineering problems by using the basic concepts of electricity and magnetism						
		2	The student can produce the solution to complex problems						
		3	The student can follow the scientific developments						
		4	The student can reinforce own information by doing the experiments in laboratory						
		5	The student can be analyzed the results.and can be analyzed.						
		6	The student learns the working principle of the basic circuit elements						
		7							
		8							
		9							
		10							
21	Course Content:								
107		Co	ourse Content:						
	Theoretical	alu atawa	Practice						
1	Electric Charges, Insulators and Cor Coulomb's law		Working conditions in the laboratory, the creation of groups, and general information about laboratory						
2	Electric Field, Electric Field of Contir Charge Distribution, Electric Field Lin		Drawing graph and determine the ways to be followed conclusions based on the received results						

3	Gauss Law and Applications										Coulomb's law									
4	Gauss Law and Applications Electric Potential and Energy																			
- - 5		••								Determination of the electric field plate capacitor Measurement of capacitance										
6	· ·								_			freque								
7											•	псу								
	Direct Current Circuits								_	Wheatstone bridge Midterm exam + repeating courses										
8												-	ung cou	lises						
9		ů.								The calculation of L										
10	-									Biot Savart law Measurement of the magnetic forces acting on the wire										
11	гага	uay	s Law							rrent	ment	n the m	agnetic	Torces	sacting	on the w	ne			
12	Alternative Current Circuits									etermir bstanc		of the di	electric	coeffi	cients c	of differer	ıt			
13	Alter	nativ	/e Cur	rent C	Circuit	S			Co	ontrol c	of the te	est repo	orts							
14	Max	well	Equat	ions					Co	ontrol c	of the te	est repo	orts							
22	Textbooks, References and/or Other Materials:								1.	Raym	ond A.	Serway	/, John ˈ	W., (1	995).					
23	Asse								_											
TERMI	LEARNING ACTIVITIES NUMBE									WEIGHT										
Midterr									40	40.00										
Quiz	uiz 0								0.0	00										
Activit	Activites									Numt	ber		Dura	ation ((hour)	Total Work Load (hour)				
Theore	Contribution of Term (Year) Learning Activities to								40	1.00			3.00	3.00			42.00			
	acticals/Labs								_	. <u></u> 14			2.00			28.00				
Selfitsit									60	1640			3.00			42.00				
Homev	eworks								(C			0.00			0.00				
Project										The system of relative evaluation is applied 0.00										
	d Studies															0.00				
Mi 21 err	ern EGTS / WORK LOAD TABLE									1			2.00		2.00					
Others	S									14			5.00		70.00					
Final E	zams									1			2.00			2.00				
Total V	Work Load									188.00						188.00				
Total w	al work load/ 30 hr													6.20						
ECTS	TS Credit of the Course															6.00				
25	;			CON	TRIE	BUTIC	ON O				OUT(ATIC		S TO I	PROG	GRAM	ME				
	F	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16			
ÖK1	Ę	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
ÖK2	Ę	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
ÖK3	()	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0			
ÖK4	C)	0	0	0	5	5	0	0	0	0	0	0	0	0	0	0			
-			-	-	•	-	-			-	-	-	-	-	-		-			

ÖK5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0				0				-	0	0	0		0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 Iow		3	Medi	um	4 High			5 Very High				