	В	ASIC	PHYSICS II							
1	Course Title:	BASIC F	PHYSICS II							
2	Course Code:	FZK1072								
3	Type of Course:	Compulsory								
4	Level of Course:	First Cyc	sle							
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:	There is no course prerequisite								
12	Language:	Turkish								
13	Mode of Delivery:	Face to face								
14	Course Coordinator:	Doç. Dr.	Hüseyin Ovalıoğlu							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	Doç. Dr. Hüseyin OVALIOĞLU E-mail: ovali@uludag.edu.tr İş Tel: 0 224 29 41 691 Adres: Bursa Uludağ Üniversitesi Fen Edebiyat Fakültesi Fizik Bölümü, 16059 Görükle Kampüsü BURSA								
17	Website:									
18	Objective of the Course:	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.								
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 interpret.							
		6	The student know the working principle of the basic circuit elements							
		7								
		8								
		9								
		10								
21	Course Content:									
10/	Theoretical	Co	ourse Content:							
vveek	Theoretical		Practice							

1			harge s law	es, Ins	ulator	s and	Condu	uctors,		Working conditions in the laboratory, the creation of groups, and general information about laboratory											
2		ectric Field, Electric Field of Continuous								Drawing graph and determine the ways to be followed conclusions based on the received results											
3	Gau	auss Law and Applications								Coulombs law											
4	Elect	ectric Potential and Energy									Determination of the electric field plate capacitor										
5	Сара	•••									Joule law										
6	Curr	ent a	nd Re	esistar	nce				Alt	Alternative flow frequency											
7	Direc	ct Cu	rrent	Circui	ts				Wł	Wheatstone bridge											
8	Midte	erm e	exam	+ repe	eating	course	es		Mic	dterm	exam -	+ repea	ting cou	urses							
9	Mag										ulation	of indu	ctance	L							
10	Sour	•									Biot Savart law										
11	Fara	-									ment o	of the m	agnetic	forces	acting	on the w	/ire				
12	Alter	Iternative Current Circuits								termin ostanc		of the di	electric	coeffi	cients o	f differer	nt				
13	Alter	Alternative Current Circuits									of the te	est repo	orts								
14	Maxy	Maxwell Equations									Control of the test reports										
22	Mate	Textbooks, References and/or Other1. Raymond A. Serway, John W., (1995). "Physics for Scientists and Engineers" cilt 2, Palme Yayıncılık																			
Activites							1	Numb	ber		Dura	ation (Total Work Load (hour)							
Theore	Theoretical								Cif	Cift ⁴ 2"					42.00						
	Practicals/Labs								1	14				2.00			28.00				
									1					3.00			42.00				
Homeworks									14				5.00			70.00					
Phidject	Widjects Exam 1								40	4000				0.00							
Field S	Studies								C)			0.00								
Micotteern	nwoenkaponosject 0								0.0	0			2.00	2.00 0.00							
Others										0						0.00					
Fiotal E	Exams 2									D.00			2.00		2.00						
Total V	Nork L	oad														186.00					
Succes Total w	Total Work 1828/ 30 hr															6.20					
ECTS	Credit	t of th	ne Co	urse												6.00					
Total									10	0.00											
Measu Course	e							d in th	uno	dersta		v much	final exa the info			d to t this cou	ırse				
	IEC1	<u> S/</u>	WO	κκ L	UAD	TAB	LE														
24			CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																		
24 25	<u> </u>			CON	TRIB	UTIC		C	QUA	LIFIC	ATIO	NS									
	5	PQ1					_	C PQ7	-				PQ12	PQ1 3	PQ14	PQ15	PQ16				
	5 F						_	PQ7	-		PQ1		PQ12 0		PQ14 0	PQ15 0	PQ16 0				

ÖK3	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	
ÖK4	0	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	0	0	0	0	0	0	0	0	
LO: Learning Objectives PQ: Program Qualifications																	
Contrib ution Level:	tion				2 low			3 Medium			4 High			5 Very High			