	В	ASIC	PHYSICS II						
1	Course Title:	BASIC F	PHYSICS II						
2	Course Code:	FZK107	2E						
3	Type of Course:	Compuls	sory						
4	Level of Course:	First Cyc	cle						
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:	None							
12	Language:	English							
13	Mode of Delivery:	Face to	face						
14	Course Coordinator:	Doç.Dr.	HÜSEYİN OVALIOĞLU						
15	Course Lecturers:	Doç. Dr. Hüseyin OVALIOĞLU, Yrd. Doç. Dr. Sertan Kemal AKAY, Yrd. Doç. Dr. Cengiz AKAY							
16	Contact information of the Course Coordinator:	Doç. Dr. Ercan PİLİÇER, epilicer@uludag.edu.tr, 0224 2941711, UÜ Fen Edebiyat Fakültesi, Fizik Bölümü 16059 Görükle Kampüsü Bursa							
17	Website:								
18	Objective of the Course:	of course is to teach concepts related to electricity and sm, to explain electricity laws and relation of between the concepts. To teach how is applied the physic laws to solve lems.							
19	Contribution of the Course to Professional Development:								
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:								
		Co	ourse Content:						
Week	Theoretical		Practice						
1	Electric Charges, Insulators and Cor Coulomb's law	nductors,	Working conditions in the laboratory, the creation of groups, and general information about laboratory						

25			CON	TRIE				QUA		ATIO	OME NS PQ11		PQ1	PQ14	ME PQ15	PQ16		
			CON					QUA	LIFIC	ATIO	NS							
ECISC	redit of t	ne Co	urse											•				
ECTS Credit of the Course									6.00									
	Total work load/ 30 hr														6.10			
Total Wo	ork Load														185.00			
Measure Course	ament ar	nd Eva	luatio	n Tec	hnique	s Use	d in th	е	1			2.00			2.00			
Others									14			2.00			28.00			
Midterm	exams	па с	<del>xam t</del>	<del>J Odo</del>	<del></del>	пачс		$\dashv$	1			2.00		2.00				
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Homewo		Орого							13			3.00				39.00		
	am dy and pi	repera	ntion			П			14				3.00			42.00		
Practica	<u> </u>	•						$\Box$	14			2.00			28.00			
<u>Quiz</u> Theoreti	ical					TO	)	10.0	0 94 3.00					) 42.00				
Activite		2116							Number Duration (hour) T					Total Work Load (hour)				
23	Assesme	ent						3.	Fishba	ane,Ga	siorowi	cz,Thor	nton"T	emel Fi	izik, Vol.:	2"		
	Textbooks, References and/or Other Materials:								1. Raymond A. Serway, John W., (1995). "Fen ve Mühendislik için Fizik", Vol. 2, Palme Press. inc 2. Hugh D. Young, Roger A. Freedman, (2007) "Üniversite Fiziği", Vol.2, Pearson press. İnc.									
14	Maxwell	Equat	ions					De	emonst	tration	experin	nent						
	Alternativ			Circuit	S						est repo							
								su	bstanc	es			coemi	ients o	f differer	IL		
	Alternativ							cu	rrent									
	Faraday'										f the m	agnetic	forces	acting	on the w	/ire		
	Magnetic Sources			etic F	اماط			_	ot Sava		of indu	ciance	L					
	Magnetic		•	eating	courc	es		_			repea							
-	Direct Cu									one bri								
_	Current a							_			frequer	псу						
	Capacita				cs				ule law	-								
	Electric F							_	Determination of the electric field plate capacitor									
3 (	Gauss La	aw an	d Appl	licatio	ns			Co	Coulombs law									
	Electric F Charge [								Drawing graph and determine the ways to be followed conclusions based on the received results									

25		QUALIFICATIONS														
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	5	0	0	0	0	0	5	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0

ÖK5	0	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0											0 alifica			0	0
Contrib 1 very low 2 low ution Level:					3 1	Medi	um	,	4 Higl	า	5 Very High					