PHYSICS II										
1	Course Title:	PHYSIC	S II							
2	Course Code:	FZK1072	2							
3	Type of Course:	Compuls	ory							
4	Level of Course:	First Cyc	le							
5	Year of Study:	1								
6	Semester:	2								
7	ECTS Credits Allocated:	4.00								
8	Theoretical (hour/week):	3.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	2								
11	Prerequisites:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to f	ace							
14	Course Coordinator:	Doç.Dr. I	NİL KÜÇÜK							
15	Course Lecturers:	Prof. Dr. Doç. Dr.	İlker KÜÇÜK Nil KÜÇÜK							
16	Contact information of the Course Coordinator:	e-mail: n Tel: 0 22 U.Ü., Fei Kampüsi	nilkoc@uludag.edu.tr 24 29 41 705 an Edebiyat Fakültesi, Fizik Bölümü 16059 Görükle sü/Bursa							
17	Website:									
18	Objective of the Course:	Teaching	the fundamentals of Physics-II.							
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	The fundamental knowledge of Physics is obtained.							
		2	Many potential solutions can be produced for a given problem.							
		3	Problems can be analysed by different point of view.							
		4	The mutual relationship between problems and subjects are able to be recognised.							
		5	The independent ability of learning is developed.							
		6	The subjects and relations between them are understood.							
		7	The variables in the process can be interpreted.							
		8	The datum can be analysed and explained.							
		9								
		10								
21 Course Content:										
	Course Content:									
Week	Theoretical		Practice							
1	Electric Charge		Lecture and solving problem							
2			Lecture and solving problem							
3	Gauss' Law		Lecture and solving problem							
4	Electric Potential		Lecture and solving problem							

5	Capac	itor	s and	d Diele	ectrics				Le	Lecture and solving problem										
6	Currer	in Ma	terials	;				Le	Lecture and solving problem											
7	Midter Repeti	m E tior	Exam n of le	cture					Le	Lecture and solving problem										
8	Direct-	Direct-Current Circuits									Lecture and solving problem									
9	The Ef	fec	ts of	Magne	etic Fi	elds			Le	Lecture and solving problem										
10	The Pr Fields	odu	uctior	n and I	Prope	rties of	[:] Magr	netic	Le	Lecture and solving problem										
11	Farada	ay's	Law	, Magi	netisn	n and N	/latter		Le	Lecture and solving problem										
12	Inducta	anc	e and	d Circu	uit Os	cillatior	าร		Le	Lecture and solving problem										
13	Alternating Currents										and sol	ving pro	blem							
14	Maxwell's Equations and Electromagnetic										and sol	ving pro	oblem							
22	Textbo Materia	oks als:	s, Re	ferenc	es an	d/or Ot	ther		1. Se	"Physi rway	cs for S John V	Scientis V (199	ts and I 5) Palm	Engine ne	ers", Ra	aymond	A.			
	matori									"····					-					
									2. Fre	eedma	rsity Pi n, (200	nysics",)7) Pea	rson Ec	J. You lucatio	ng, Roę n.	ger A.				
									3.	"Funda	amenta	als of Ph	nvsics".	David	Hallida	v. Rober	ť			
									Re	Resnick, (2008), Wiley.										
23	23 Assesment																			
Activites						I	Numb	er		Duration (hour) Tota				Vork						
													Load (hour							
Theore	Theoretical									14			3.00	3.00 42.00						
Practica	Home work-project 0									14			2.00		28.00					
Seltstu	At study and preparation												3.00		42.00					
Homew	Tomeworks									0.00)			0.00		0.00					
\$tojee\$	topeess Grade)			0.00			0.00				
Field S	tudies								()			0.00			0.00				
Midtern	term exams												2.00			2.00				
Others	ners												2.00		6.00					
EionartsE	aulsexams												2.00		2.00					
Total W	tal Work Load																			
Total w	otal work load/ 30 hr													4.07						
ECTS (S Credit of the Course									4.00										
25				CON	TRIE	UTIO	N O	F LE	ARN	ING	ουτα	OME	s то I	PROG	RAM	ME				
								C	QUA	LIFIC	ATIO	NS								
	PC	21	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16			
ÖK1	4	1	2	2	0	2	4	4	0	4	3	0	3	0	0	0	0			
ÖK2	4		2	2	0	2	4	4	0	4	3	0	3	0	0	0	0			
ÖK3	4	-;	3	3	0	2	4	4	0	4	3	0	3	0	0	0	0			
#																				
OK4	4	;	3	3	0	2	4	4	0	4	3	0	3	0	0	0	0			

ÖK5	4	3	3	0	2	4	4	0	4	3	0	3	0	0	0	0
ÖK6	4	3	3	0	2	4	4	0	4	3	0	3	0	0	0	0
ÖK7	4	3	3	0	2	4	4	0	4	3	0	3	0	0	0	0
ÖK8	4	3	3	0	2	4	4	0	4	3	0	3	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	Contrib 1 very low ution Level:			2 low			3 Medium			4 High			5 Very High			