

BASIC PHYSICS II

1	Course Title:	BASIC PHYSICS II
2	Course Code:	FZK1072
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
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:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Dr. Öğr. Üyesi ZERRİN KIRCA
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	dnilgun@uludag.edu.tr, 0224 2941702, UÜ Fen Edebiyat Fakültesi, Fizik Bölümü 16059 Görükle Kampüsü Bursa
17	Website:	
18	Objective of the Course:	The aim of 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:	
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.
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21	Course Content:	
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Week	Theoretical	Practice
1	Electric Charges, Insulators and Conductors, Coulomb's law	Working conditions in the laboratory, the creation of groups, and general information about laboratory
2	Electric Field, Electric Field of Continuous Charge Distribution, Electric Field Lines	Drawing graph and determine the ways to be followed conclusions based on the received results

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