

INTRODUCTION TO PHYSICS II

1	Course Title:	INTRODUCTION TO PHYSICS II	
2	Course Code:	FZK2074	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	2	
6	Semester:	4	
7	ECTS Credits Allocated:	4.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	2	
11	Prerequisites:		
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Doç. Dr. FATMA KOÇAK	
15	Course Lecturers:	Fizik Bölümü Öğretim Üyeleri	
16	Contact information of the Course Coordinator:	Doç.Dr. Fatma KOÇAK, fkocak@uludag.edu.tr, 0224 2941710, BUÜ Fen Edebiyat Fakültesi, Fizik Bölümü 16059 Nilüfer/ Bursa	
17	Website:		
18	Objective of the Course:	The course aims to teach the basic concepts and laws of electric and magnetic fields, to explain the relationship between the concepts, and to explain how to apply the laws of physics to problem solving.	
19	Contribution of the Course to Professional Development:	Gains the ability to solve electric and magnetism problems.	
20	Learning Outcomes:		
		1	The student can solve 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 with mathematical applications.
		5	The student can be analyzed the results.and can be interpret.
		6	The student knows 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	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	3	5	0	0	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							