	HISTORY OF PHYSICS											
1	Course Title:	HISTOR	Y OF PHYSICS									
2	Course Code:	FZK2410										
3	Type of Course:	Optional										
4	Level of Course:	First Cyc	cle									
5	Year of Study:	2										
6	Semester:	4										
7	ECTS Credits Allocated:	6.00										
8	Theoretical (hour/week):	3.00										
9	Practice (hour/week):	2.00										
10	Laboratory (hour/week):	0										
11	Prerequisites:	There is	no course prerequisite									
12	Language:	Turkish										
13	Mode of Delivery:	Face to f	face									
14	Course Coordinator:	Prof. Dr.	EMIN N. ÖZMUTLU									
15	Course Lecturers:	Yrd. Doç	. Dr. Sezer ERDEM									
16	Contact information of the Course Coordinator:	E-mail: 0 İş Tel:(02 Adres: U	Prof. Dr. Emin N. ÖZMUTLU E-mail: ozmutlu@uludag.edu.tr ş Tel:(0224)2941693 Adres: UÜ Fen Edebiyat Fakültesi, Fizik Bölümü, 16059 Görükle Kampusü, Bursa									
17	Website:											
18	Objective of the Course:	The aim of this course to teach the philosophical concepts of physics and the interrelations between different physical subjects throughout the historical stream of physics.										
19	Contribution of the Course to Professional Development:											
20	Learning Outcomes:											
		1	Learns the conceptual development of physics.									
		2	Understands the interrelations among different physics' subjects.									
		3	Learns the cronological development of physics' subjects.									
		4	Can follow discussions of physics' philosophy.									
		5	Understand the physical interpretation of natural phenomona.									
		6	Gains the ability of scientific thinking.									
		7	Gains the ability of scientific interpretation of every day events.									
		8										
		9										
		10										
21	Course Content:											
		Co	ourse Content:									

Week	Theoretical		Pra	actice								
1	Introduction		Fre	Free Discussions.								
2	Physics and astronomy before Galile	∋o.	Fre	Free Discussions.								
3	Sun centred planets system.		Fre	e Discussions.								
4	Galileo's physics.		Fre	e Discussions.								
5	Newton's synthesis.		Fre	e Discussions.								
6	Overall physics laws		Fre	Free Discussions.								
7	Optics.		Fre	Free Discussions.								
8	Electricity and magnetism.		Fre	e Discussions.								
9	Midterm exam+repeating courses		Re	peating courses	and midterm exam							
10	Special relativity theory,General relative theory	itivity	Fre	Free Discussions.								
11	Thermodynamics.		Fre	e Discussions.								
12	Experimental physics at the end of 1 century.	9.	Fre	Free Discussions.								
13	Quantum mechanics and particle ph	ysics.	Free Discussions.									
14	History of cosmology.		Free Discussions.									
Textbooks, References and/or Other Materials: Activites				2.L. Motz, J.H. Weaver (1985), "The Story of Physics", Plenum Pres, New York. Number Duration (hour) Total Work Load (hour)								
Theore	tiœlam	1	40!		3.00	42.00						
	als/Labs	'		4	2.00	28.00						
Balfast.	мукарфорееperation	0	0.0	A	5.00	70.00						
Homew	· ,		0		0.00	0.00						
Preject	s	2	100	0.00	0.00	0.00						
Field S	tudies		0									
Mide	ন ক্রিন্তানিত্ত		1		6.00	6.00						
Others			1	4	2.00	28.00						
Final E	xams		100	0.00	6.00 6.00							
Total V	Vork Load					180.00						
Comai	ork load/ 30 hr		Ц			6.00						
ECTS (Credit of the Course					6.00						
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS											

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	5	5	0	0	5	4	0	5	5	0	0	0	0	0	0
ÖK2	3	3	2	0	0	3	2	0	3	2	0	0	0	0	0	0
ÖK3	5	5	4	0	0	5	3	0	3	4	0	0	0	0	0	0
ÖK4	5	5	5	0	0	5	3	0	3	4	0	0	0	0	0	0

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