BASIC PHYSICS I									
1	Course Title: BASIC PHYSICS I								
2	Course Code:	FZK1071							
3	Type of Course:	Compulsory							
4	Level of Course:	First Cycle							
5	Year of Study:	1							
6	Semester:	1							
7	ECTS Credits Allocated:	5.00							
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:	Doç.Dr. NİL KÜÇÜK							
15	Course Lecturers:	Prof. Dr. İlker KÜÇÜK Doç. Dr. Nil KÜÇÜK							
16	Contact information of the Course Coordinator:	e-mail: nilkoc@uludag.edu.tr Tel: 0 224 29 41 705 U.Ü., Fen Edebiyat Fakültesi, Fizik Bölümü 16059 Görükle Kampüsü/Bursa							
17	Website:								
18	Objective of the Course:	Basic concepts and principles of physics is given clear and logical manner.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Understand and use basic concepts and principles of physics problem solving.						
		2	Information on the vector and scalar quantities can be obtained.						
		3	Movement in a one dimension, time, speed and acceleration, and they learn the concepts of use in problem solving.						
		4	Learn two-dimensional problem solving and use the laws of motion, Newton's 2nd law.						
		5	Newton's laws of motion.						
		6	Work, energy and power, solve physics problems by using the potential energy and energy conservation.						
		7	Learns the subject of momentum and collisions.						
		8	Learns the concepts of Rigid-body rotation about a fixed axis, rotational motion, angular momentum and torque.						
		9							
		10							
21	Course Content:	Course Content:							
107	Course Content:								
Week	Theoretical Practice								

1	Physical Quantities and Units, Din Analysis, Vectors	nension	Lecture and solving problem							
2	Motion in One Dimension		Lecture and solvir	Lecture and solving problem						
3	Motion in a Plane		Lecture and solvir	Lecture and solving problem						
4	Newton's Laws		Lecture and solving problem							
5	Work, Power and Energy		Lecture and solving problem							
6	The Conservation of Energy		Lecture and solving problem							
7	Midterm Exam Repetition of lecture		Lecture and solving problem							
8	Momentum, Collision, Center of M	lass	Lecture and solving problem							
9	Rotational Motion		Lecture and solvir	Lecture and solving problem						
10	Angular Momentum and Torque		Lecture and solvir	Lecture and solving problem						
11	Equilibrium		Lecture and solvir	Lecture and solving problem						
12	Gravitation		Lecture and solvir	Lecture and solving problem						
13	The Simple Harmonic Oscillator		Lecture and solvir	ng problem						
14	Waves and Interference		Lecture and solvir	Lecture and solving problem						
22 Activit	Textbooks, References and/or Oth Materials:		 "Physics for Scientists and Engineers", Raymond A. Serway, John W., (1995) Palme. "University Physics", Hugh D. Young, Roger A. Freedman, (2007) Pearson Education. Number Duration (hour) Total Work							
ACTIVIT	les		Number	Duration (nour)	Load (hour)					
TERM	Lical LEARNING ACTIVITIES	NUMBE	WEIGHT	3.00	42.00					
Practic	als/Labs		14	2.00	28.00					
Selfst	ndy and preperation	1	40,40	6.00	84.00					
Homew			0	0.00	0.00					
Penech	work-project	0	0.80	0.00	0.00					
Field S	tudies		0	0.00	0.00					
Midterr	n exams	2	10p.00	2.00	2.00					
Others			10	2.00	20.00					
Final E	xams		1	2.00	2.00					
	Vork Load				178.00					
†8ŧal w	vork load/ 30 hr		100.00		5.93					
ECTS (Credit of the Course				5.00					
24 ECTS / WORK LOAD TABLE										
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME									

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

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