Assessment and subject description

Óbuda University								
Kandó Kálmán Faculty of Electrical Engineering				Institute of Microelectronics and Technology				
Subject name and code: Physics I. KMEFI11AND and KEXFI1ABNE								
Full-time, Fall Semester 2019-2020/I.								
Credits: 4								
Course: Electrical Engineer BSc								
Responsible:	Dr. Katalin Gai	mbár	\mathcal{C}	Dı	r. Katalin Gambár l	Ph.D		
	Ph.D		staff:					
Prerequisites:		T				.		
Contact hours	Lecture: 2 Class discussion: 1 Lab hours: -					Tutorial: -		
per week:								
Assessment and	υ							
evaluation:								
Subject description								
Aims: To give solid bases for the other professional subjects of the curriculum, to promote								
the better understanding of the problems from the viewpoint of Physics.								
Topics to be covered: Mechanics. Thermodynamics. Optics.								
		Topics				Week	Lessons	
Mechanics. Math	ematical bases. E	Basic con	cepts.			1.	2	
2019.09.11.								
Kinematics of a n	nechanical partic	le.				2.	2	
						2019.09.18.	L	
Kinetics of a med	3.	2						
						2019.09.25.	4	
Kinematics and K	4.	2						
						2019.10.02. 5.	L	
Oscillations.							2	
						2019.10.09.	<u> </u>	
						6.	2	
Waves. Sounds		2019.10.16.						
Holiday						7.	2	
						2019.10.23.		
Thermodynamics.						8.		
							2	
Ideal gases.								
Thermodynamics	cycles. Main la	w of the	rmodynami	es I	I. and III.	9.	2	
D 1						2019.11.06.		
Break						10. 2019.11.13.	2	
Break						11.	2	
Dicak						2019.11.20.	<u> </u>	
Test						12.		
						2019.11.27.	2	
Thermodynamics	. Statistical conce	epts.				13.	2	
Optics.						2019.12.04.	-	
Repair test						14.		
· F						2019.12.11.	2	

Assessment and evaluation

Requirements of the signature: less than 30% missed classes, write one of the two tests minimum 50%

Type of exam: written.

Evaluation: The final grade is made by adding the points from the test and the exam. Test - maximum 50 points, exam - maximum 50 points.

Summary of points: maximum points can be obtained by summation: 50+50 = 100.

The levels for grades are:

Evaluation	Points obtained
1	0 - 49
2	50 – 61
3	62 –74
4	75–74
5	88 - 100

Suggested material

Alvin Hudson, Rex Nelson: University Physics

The Feynman Lectures on Physics.

Balázs-Sebestyén: Fizika OE KVK 2065 (in Hungarian).

Comment:

Minor shifts may occur, because lecturers take into account levels of understandings and ability of notes-taking of the students, and because lecturers show examples belong to the given chapters.