## Assessment and subject description

Óbuda Universit		ol Engi	aarina	In	stitute of Microelect	ropics and T	ahnalagu
Kandó Kálmán Fa Subject name an		hysics	leering	111	stitute of Microelect	ionics and 16	chilology
Full-time, Fall Ser							
Credits: 4							
Course: Technica			1	1			
*	Dr. Katalin Ga Ph.D	mbár	Teaching staff:	D	r. Katalin Gambár 🛛	Ph.D	
Prerequisites:							
Contact hours per week:	Lecture: 2 Class discussion: 1 Lab hours: -				Tutorial: -		
Assessment and evaluation:	test (problem solving), written exam						
		S	ubject des	crip	otion		
Aims: To give s the better understa					al subjects of the bint of Physics.	curriculum,	to promote
Topics to be cover							
Topics						Week	Lessons
Mechanics: Kinematics of a mechanical particle						1.	2+1
Mechanics: Kinetics of a mechanical particle						2.	2+1
Kinematics and Kinetics of a system of mechanical particles.						3.	2+1
Oscillations.						4.	2+1
Waves. Sounds						5.	2+1
Thermodynamics: Main laws of thermodynamics 0 and I. Ideal gases.						6.	2+1
Thermodynamics cycles. Main law of thermodynamics II. and III.						7.	2+1
The theory of special relativity						8.	2+1
The boundary of the classical concepts: photo effect, Compton effect, wave- particle duality, Quantum mechanics						9.	2+1
Break						10.	2+1
Test						11.	2+1
Models of atom					12.	2+1	
Condensed matter	physics					13.	2+1
Repair test	~ <b>·</b>					14.	
							2+1

## 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.