

School of Engineering and Natural Sciences / Computer Engineering (English)

2022 - 2023 Academic Year

PHYSICS I LAB

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
PHYSICS I LAB	COE1110747	Fall Semester	0+2	1	2
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Required				
Course Coordinator	Assoc.Prof. Muhammed Fatih TOY				
Name of Lecturer(s)	Lect. Sultan YILDIZ, Lect. Saliha Zeyneb AKINCI				
Assistant(s)					
Aim	To support and deepen theoretical knowledge				
Course Content	This course contains; Motion Along a Straight Line ,Projectile Motion,Hooke's Law,Conservation of Momentum,Rotational Motion,Simple Pendulum.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Draws and interprets graphs			13	C	
Explains the movement of objects experimentally using laws of physics			13	C	
Can analyze measurements			13	C	
Compares experiment results with theory and offers interpretation			13	C	
Discusses experiment results			13	C	
Teaching Methods	13: Experiment / Laboratory				
Assessment Methods	C: Homework				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Motion Along a Straight Line				
2	Projectile Motion				
3	Hooke's Law				
4	Conservation of Momentum				
5	Rotational Motion				
6	Simple Pendulum				
Evaluation Methods		Weight(%)			
Midterm Exam		30			
General Exam		70			

Resources

Istanbul Medipol University - General Physics 1 - Experiment Manual