



Jordan University of Science and Technology
Faculty of Science & Arts
Physics Department

PHY107 General Physics (Lab)

First Semester 2017-2018

Course Catalog

1 Credit Hours. This laboratory has 10 experiments that emphasize the experimental techniques and procedures in writing formal reports. These experiments reinforce and extend the work of the lectures of physics course Phys. 101 & physics 102. The experiments emphasize on different topics in mechanics and electricity and magnetism as shown in details in the table below.

Text Book

Title	General Physics Laboratory (Phys. 107)
Author(s)	Department of Physical Sciences
Edition	1st Edition
Short Name	1
Other Information	

Course References

Instructor

Name	Dr. Hasan Al-Khateeb
Office Location	PH3 L1
Office Hours	Sun : 12:30 - 13:30 Mon : 13:00 - 14:00 Tue : 12:30 - 13:30 Wed : 13:00 - 14:00 Wed : 14:00 - 15:30 Thu : 12:30 - 13:30
Email	hkhateeb@just.edu.jo

Class Schedule & Room

Section 1:

Lecture Time: Sun : 08:30 - 10:30

Room: LAB3 PH3 L0

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Measurements and Errors	From 1
Week 2	Projectile motion	From 1
Week 3	Newton's Second Law	From 1
Week 4	Rotational motion	From 1
Week 5	Conservation of energy	From 1
Week 6	Ohm's Law	From 1
Week 7	Potentiometer	From 1
Week 8	Galvanometer	From 1
Week 9	RC Circuits	From 1
Week 10	Wheatstone-Bridge	From 1

Mapping of Course Objectives to Program Student Outcomes¹

Assessment method

Use physical measurement equipments	
Present the data in a logical manner	
Analyze the data and draw the conclusions	
Describe and calculate uncertainty of the measured values	

Relationship to Program Student Outcomes (Out of 100%)

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)

Evaluation

Assessment Tool	Weight
mid	60%