

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Physics Lab
Course number	PHYS1103
Faculty	
Department	
Course type	College Needs
Course level	1
Credit hours (theoretical)	0
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

- 1 - Familiarity with the use of modern scientific equipment
- 2 - Familiarity with the use of specialized experimental techniques
- 3 - The ability to communicate clearly , readably , and concisely the results and essentials features of an experiment
- 4 - .Ohms law used to find the value of unknown resistance and the resistivity of the wire experimentally ,series connection prove that the total resistance equal equivalent resistance experimentally equal the total resistance experimentally , Simple pendulum experiment used to find gravity g , Hooks law experiment used to find spring constant and gravity g , Coefficient of viscosity used to find the coefficient of viscosity of aliquid , free falling used to find the value of gravity g

Intended Learning Outcomes

- * Experiment in General physics, properties of matter, Electricity: Projectile motion, Simple pendulum, Hooks law, Static equilibrium, Bernoullis Equation, Viscosity, Ohms law, DC electric circuits, RC circuit.

Course Contents

- 1 - .Ohms law series connection of resistences , parrallel connection resistences,discharge of a capacitor,simple pendulum,Hooks law,viscosity,un kouunmass,free falling