FUNDAMENTAL PHYSICS LAB / MAKMAL FIZIK ASAS

Our Laboratory Members



LAB COORDINATORS CUM LECTURER IN CHARGE

Dr. Richard Anak Ritikos

+603-7967 4386 / 4147

richarddr@um.edu.my



LECTURER IN CHARGE

Dr. Lim Lian Kuang +603-7967 2732 / 4395 lim.lk@um.edu.my



LAB MANAGER / ASSISTANT SCIENCE OFFICER

Mr. Noor Yussuf bin Othman +603-7967 4025 nooryussuf1902@um.edu.my

About our lab

The Fundamental Physics Laboratory is the location where the course SIF2010 Practical Physics 2 (formally known as SMES2171 Fundamental Physics Practical) is being taught. This course focuses on experiments done to teach concepts of fundamental physics in various filed such as Modern Physics, Light and Optics, Electricity and Magnetism. A good example is seen in the determination of Planck's Constant using an experiment setup employing photovoltaic principles. Other experiments include the determination of e/m ratio, study of spectral lines of two electrons systems, polarizability, etc. The laboratory provides a conducive environment for students to conduct experiments and the instructors to facilitate and interact with the students.

Course Pro Forma

Course Code	SIF2010
Course Title	Physics Practical II
Course Learning Outcomes	 At the end of the course, students are able to: 1. Perform experiments to validate an idea, hypothesis, or theory. 2. Perform analysis on acquired experimental data including statistical analysis, curve-fitting, and error analysis. 3. Analyse experimental data.
Soft Skills	Practical, report writing and oral communication
Synopsis of Course Contents	Practical classes for experiments in fundamental physics on topics including electricity, magnetism, thermodynamics, optics, spectroscopy, and others.





Determination of E/M for The Electron

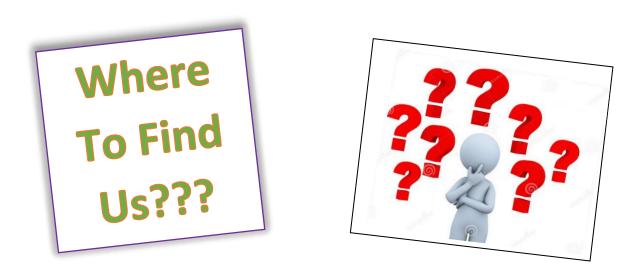


Rotatory Dispersion of Quartz

01

Y

Coulomb Balance



We are located at Level 4, Block B, Department of Physics, University of Malaya (Lab Room B418, B419, B421, B422)

(Lab Staff Room : B423)







