



INTEGRAL UNIVERSITY

Department of Physics

Program: B. Tech.
Course: Physics Lab
Course Code: PY104

L T P
0 0 2

LIST OF EXPERIMENTS

1. To determine the wavelength of Sodium light by Newton's Rings.
2. To determine the wavelength of Sodium light with the help of Fresnel's Biprism.
3. To determine the refractive index of a liquid using laser.
4. To determine the specific rotation of cane sugar solution with the help of a half shade polarimeter.
5. To determine the wavelength of prominent spectral lines of mercury by plane diffraction grating.
6. To determine the resistance per unit length of Carry Foster's bridge wire and (I) To prepare one ohm coil (II) to determine specific resistance of given wire.
7. Plot the graph showing variation of magnetic field with distance along the axis of a circular coil carrying current and to determine radius of coil from it.
8. To verify Stefan's Law by electrical method.
9. To find energy band gap in a semiconductor using a PN junction diode.
10. To determine the coefficient of viscosity of water by Poiseuille's method.