

PH110 Physics Laboratory (0-0-3-3)

Prerequisite: Nil

Experiments on general physics: Mechanics (compound pendulum etc.), Optics (single slit, Newton's ring etc.), Fluids (Jaeger's method etc.), and Electricity and Magnetism (Magnetic field, LCR circuit, etc.).

Texts:

- [1] Department of Physics, IIT Guwahati, Laboratory Manual with details about the experiments.
- [2] F. A. Jenkins and H. E. White, Fundamentals of Optics, Tata McGraw-Hill, 1981.
- [3] D. Halliday and R. Resnick, Fundamental of Physics, Wiley India Pvt. Limited, 2008.
- [4] D. J. Griffiths, Introduction to Electrodynamics, 3rd Edition, Prentice Hall of India, 2005.