

## PH 482: Physics Laboratory II (0-0-6:3)

1. Hall Effect in Semiconductor
2. Two Probe Method for Resistivity Measurement.
3. Forbe's Method
4. Fourier Filtering
5. Elastics Constants – Elliptical and Hyperbolic Fringes
6. Hysteresis (B – H Curve)
7. Helmholtz Galvanometer
8. Conductivity of Thin Film – Four Probe Method
9. Curie Temperature of Magnetic Materials
10. Dielectric Constant and Curie Temperature of Ferroelectric Ceramics

### References:

1. R. A. Dunlop, Experimental Physics, Oxford University Press.
2. A. C. Melissinos, Experiments in Modern Physics, Academic Press