

Phys 2604L	Phys 2604 L	PHYSICS LAB-IV	(CR3)
Courses		Phys 2002, 2003	

### Objectives

*To train students in performing experiments related to modern physics.*

### Syllabus

To study the photoelectric effect, To determine the resolving power of a diffraction grating, To study Zeeman Effect, To determine the Band gap of Ge crystal, To study the Lissajous figures by using C.R.O, Determination of dielectric constant of solids, To study the diode rectifier circuits.

### Recommended Books

1. *Physics laboratory experiments* by Jerry D. Wilson, Cengage Learning (2014)
2. *General Physics Laboratory I Experiments* by Kapila Clara Castoldi, Kendall Hunt, (2015)
3. *Physics Lab Experiments* by Matthew French, Mercury Learning & Information, (2016)
4. *Experiments And Demonstrations In Physics: Bar-ilan Physics Laboratory* by Kraftmakher Yaakov, World Scientific (2014)