

Course Type	Course Code	Name of Course	L	T	P	Credit
DP	PHC303	APPLIED OPTICS LAB	0	0	2	2

Sl No.	Name of the experiments*
1	Determine the peak power and beam divergence of Laser beam.
2	Determination of bending loss in multi-mode fibers.
3	Michelson Interferometer (thickness of glass plate, refractive index).
4	Particle size determination by dynamic light scattering.
5	Determination of specific rotation of cane sugar solution using Laurent's polarimeter.
6	Study of Laser holography.
7	To determine wavelength of laser beam, refractive index of a transparent materials and refractive index change in air under different pressures using Mach-Zehnder interferometer
8	Michelson interferometer, determination of wavelength of light.
9	Determination of line widths of laser diodes and LEDs.
10	To analyze elliptically polarized Light by using a Babinet's compensator.

*Any 8 experiments will be conducted.