

Course Type	Course Code	Name of Course	L	T	P	Credit
DP	PHC209	OPTICS LAB	0	0	2	2

Sl No.	Name of the experiments*
1	Determination of wavelength of sodium light by Fresnel's bi-prism.
2	Determination of wavelength of sodium light by Newton's ring.
3	Identification of missing order in double slit diffraction pattern.
4	Determination of refractive index of various liquids and solids by Abbe Refractometer.
5	Fabry-Perot interferometer and etalon (finesse with laser).
6	To determine the focal length of the combination of two lenses and to verify the formula using nodal slide assembly.
7	Determination of refractive index using hollow prism and liquid prism.
8	Study of monochromatic aberrations of an optical system
9	Measurement of diameter of thin wire and groove spacing of CD by laser beam.
10	Determination of resolving power of a concave grating.

*Any 8 experiments will be conducted