

Course Type	Course Code	Name of Course	L	T	P	Credit
DP	PHC304	SPECTROSCOPY LAB	0	0	2	2

Sl No.	Name of the experiments*
1	Determination of bandgap of a semiconductor using UV-Vis absorption.
2	Beer Lambert's law, concentration of solution.
3	Determine the plasma parameters of a gas using discharge tube.
4	To determine the Planck's constant using LEDs of at least 4 different colors.
5	To determine the wavelength of H-alpha emission line of Hydrogen atom.
6	Demonstration of Frank Hertz effect
7	Normal & anomalous Zeeman Effect
8	Determination of Hydrogen Deuterium splitting
9	Determination of e/m ratio.
10	X-ray, electron diffraction patterns, identification of crystal structure.

*Any 8 experiments will be conducted.