

Course Type	Course Code	Name of Course	L	T	P	Credit
DP	PHC210	ELECTRICITY AND MAGNETISM LAB	0	0	2	2

Sl No.	Name of the experiments*
1	GM counter characteristics.
2	Verification of Ampere's law.
3	Design electromagnet with a hollow cylinder, torus, etc., measure and verify (working formula) the on axis and off axis magnetic fields.
4	Determination of magnetic susceptibility of magnetic liquid.
5	To determine the value of inductance by using Anderson's bridge.
6	Determination of force between two Magnets
7	To verify the Thevenin and Norton theorems
8	Study of photodetector characteristics.
9	I-V characteristics of Si solar cell and calculation of efficiency.
10	Design coaxial cylindrical capacitor for measurement of density of dielectric liquid (oil).

*Any 8 experiments will be conducted