

Course Type	Course Code	Name of Course	L	T	P	Credit
DP	PHC203	MECHANICS LAB	0	0	2	2

Sl No.	Name of the experiments*
1	To determine Young's modulus of a material by bending of beam method.
2	To determine the modulus of rigidity of a wire by Static & dynamical method.
3	Determination of bending moment of a cantilever.
4	Calculation of coefficient of viscosity of a given fluid using Searle's Viscometer.
5	Measurement of contact angles of water and organic liquids on Teflon and glass substrates.
6	Determination of surface energy of a fluid by capillary rise method.
7	Determination of temperature coefficient of expansion/compressibility of solid/liquid/gas.
8	Measurement of contact angles of water and organic liquids on Teflon and glass substrates.
9	Determination of coefficient of static and dynamic friction using inclined surface.
10	Determination of coefficient of efflux of a given liquid using venturi meter.

\*Any 8 experiments will be conducted.