

Course Type	Course Code	Name of Course	L	T	P	Credit
DP	PHC204	WAVES AND ACOUSTICS LAB	0	0	2	2

Sl No.	Name of the experiments*
1	Determination of velocity of transverse wave in a stretched string.
2	Study of forced oscillation using Torsion pendulum (Pohl's pendulum).
3	Verification of principle of conservation of energy and momentum using oscillation apparatus.
4	Determination of speed of sound using Kundt's tube apparatus.
5	Determination of velocity of sound in air at room temperature by study of resonance in organic pipes.
6	Determination of $g$ with compound pendula.
7	To determine the acceleration due to gravity by Kater's pendulum.
8	To determine ultrasonic velocity in liquid, density, compressibility of liquid using Ultrasonic interferometer
9	Study of Doppler effects in sound waves.
10	Study of electrical oscillation in an LCR circuit.

\*Any 8 experiments will be conducted.