

Semester	AUG 2022
Open to semester	1
Course code	PH1123
Course title	Physics Lab-I
Credits	3 /
Course Coordinator & participating faculty (if any)	Sourabh Dube*, Aparna Deshpande, Umakant Rapol, Apratim Chatterji, T. S. Mahesh
Nature of Course	Lab
Pre-requisites	None.
Objectives (goals, type of students for whom useful, outcome etc)	<p>This course is useful for all BSMS students, with the broad aim of exposure to basic experiments in physics, as well as documenting experimental data and results.</p> <ul style="list-style-type: none"> - Introduction to experiments in physics. - Understanding of experimental techniques, as a way to determine facts about nature. - Understanding uncertainties in experiments, and how to assess them.
Course contents (details of topics /sections with no. of lectures for each)	Basic experiments in physics covering mechanics (pendula, material properties), optics, and electricity and magnetism.
Evaluation /assessment	<p>End-Sem Examination-20%</p> <p>Mid-Sem Examination-0%</p> <p>Others-80% (continuous assessment consisting of lab journal and viva voce)%</p>
Suggested readings (with full list of authors, publisher, year, edn etc.)	Art of Experimental Physics (by Daryl Preston)