Physics 119: General Physics Lab

Overview
Phys 119 is the third of a three-quarter sequence of introductory physics laboratory courses targeted for students in life sciences. Through the lab assignments, we will emphasize:

- Hypothesis testing by experiment
- Visualization of results and comparison with textbook expectation
- Design of experiments

During the COVID pandemic, the labs are offered remotely via analysis of video experiments. The course consists of weekly online labs.

Lab Topics
- Simple harmonic motion
- Mechanical waves
- Standing waves
- Physical optics
- Geometric optics
- Photoelectric effect
- Radioactivity

Evaluation
The course is graded on Credit/No credit bases. To receive a credit grade, students must do all the lab assignments and meet adequate level of mastering the learning objectives for each lab.