

Physics 117: General Physics Lab

Overview

Phys 117 is the first 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

- **Kinematics**
- **Forces**
- **Rotational kinematics**
- **Rotational dynamics**
- **Impulse and momentum**
- **Energy**

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.