

Prerequisites

In the Oscillations and Waves labs you will team with one or more students and follow written lab procedures to carry out your experiments. These procedures have been written with the assumption that you have taken the prerequisite courses PH1110/1111 and PH1120/1121, and are familiar with the Logger Pro software and the Vernier instruments. [If you do not have experience with Logger Pro and Vernier, team with someone who does!](#)

Preparation !

Read the lab procedure the day before the lab to determine what equations, if any, you will need during lab to perform the calculations on the lab worksheet. Equations required for lab are discussed in lecture.

General Lab Procedure

This procedure applies to all of the 1140 labs.

Follow the written lab procedure to setup and perform your experiment. Answer the worksheet questions on the provided worksheet and submit the worksheet to your TA at the end of the lab. The worksheet also serves as a record of your attendance. Write neatly and show your calculations. Your answers may be brief, but should be clear. If you complete the lab procedure early, stick around, show some curiosity, experiment some more, and report on your findings. Try to improve a result, or answer a nagging question. Your extra effort in lab will be rewarded twice; **a)** you will understand the physics better, and **b)** you will be better prepared for the exams.