

FORDHAM COLLEGE
SUMMER SESSION I 2019
PHYS 1511 Lab Syllabus

Section & Time:	R11 meets at 12:30 pm
Professor:	<u>Dr. Vassilios Fessatidis</u>
Contact Info:	Phone: (718) 817-4188, Email: fessatidis@fordham.edu
Meeting Location:	Freeman B08
Required Materials:	<i>Physics I Course Pack</i> , purchase in Freeman 208 Lab notebook (NOT a collection of loose-leaf paper!)
Recommended Materials:	USB flash drive, calculator

This lab is meant to act as both an extension and a supplement to the lectures for Phys 1501, and 1701.

Grade Policy:

Lab reports: 80%

Final: 20%

Preparation for the experiment

- Thoroughly read the lab manual for a given experiment before coming to lab.
- There will be exercises for each lab that you must turn in at the beginning of lab.
- We will have a pre-lab lecture to “fill in the gaps” of your pre-lab reading.
- do not wait until five minutes before lab to print out your report,
- keep a backup copy of your lab report,
- and save your work constantly.

Lab Reports

- Out of 11 labs for the semester, the lowest *non-zero* lab report will be dropped. (Lab reports *not turned in* will count as zeros, and thus not dropped.)
- The lab reports are the most important part of the course, and must be turned in *at the beginning* of the following lab.
- Follow the guidelines in the Physics I lab manual for the reports, most importantly that each student must turn in **his/her own work**.

Obviously you may encounter technical difficulties (computers crashing, printers not working, *etc.*), but you should anticipate that such problems may occur. That is,

- 1 Evaluation of Errors**
- 2 Force Table & Vectors**
- 3 Free Fall**
- 4 Newton's Second Law**
- 5 Centripetal Motion**
- 6 Range Prediction**
- 7 Conservation of Momentum**
- 8 Simple Harmonic Motion**
- 9 Simple Pendulum**
- 10 Angular Momentum**
- 11 Boyle's Law**