

Laboratory Manual: Experiments for an Introductory Physics Course, 5th ed., Wood-Lewis

If you are retaking the course and are happy with the final lab grade you received previously, you do not have to attend the lab. You do have to remain registered for the lab, but you do not have to attend. Please contact the Lab Coordinator (see contact information below) **BEFORE THE END OF THE DROP/ADD PERIOD** so that your seat may be made available to another student. If you would like to improve your grade, you must attend the lab and do **ALL** of the lab exercises again.

Physics 1112 and 1212 Lab Syllabus Spring 2008 ROOM 319--Physics 01/24/08

Week	Date	Experiment	Exercise #
1	Jan. 7 - 11	NO LAB	
2	Jan. 14 - 18	Reflection and Refraction	15
3	Jan. 21 - 25	NO LAB	
4	Jan. 28 – Feb. 1	Image Formation by Lenses	16
5	Feb. 4 - 8	Interference and Diffraction 1	17
6	Feb. 11 - 15	Interference and Diffraction 2	17
7	Feb. 18 - 22	Diffraction Grating Spectrometer	18
8	Feb. 25 – 29	Electric Fields—Mandatory (see #9 on page 2)	12
9	March 3- 7	NO LAB	
10	March 10 - 14	NO LAB—Spring Break	
11	March 17 - 21	Ohm's Law 1	13
12	March 24 – 28	Ohm's Law 2—Kirchhoff's Rules	13
13	March 31 – April 4	Magnetic Field Measurements (Honors Day-no periods 5-6, 7-8 labs on April 2)	14
14	April 7 - 11	<i>Make-up Lab</i>	
15	April 14 – 18	<i>Lab Finals—Attend at your regular day and time.</i>	
16	April 21 – 25	<i>Attend your regular lab to view lab final and get final grade</i>	
17	April 28 – May 2		

You may never attend a lab section other than the one for which you registered unless you have permission from the Laboratory Coordinator (contact information below). Your TA cannot authorize this.

Laboratory Coordinator: Tom Barnello Room 327 Physics, (706)542-2903, tjbar@physast.uga.edu
 We welcome any comments or suggestions on the lab course evaluation for improving the laboratory course.
 Thank you.

Please note: The rules below supersede anything your Teaching Assistant (TA) tells you to the contrary. If that happens, please bring it to the attention of your TA, or ask the Laboratory Coordinator for clarification.

1. **Preparation:** You must read through the experiment and relevant material in the textbook **before** attending the lab. The more prepared you are the better, especially in those cases where the lab gets ahead of the lecture.
2. The only things you need to bring to the lab are your lab manual, a calculator, and a pen or pencil. (Please put your name on your calculator in case you lose it. Room 327 is the Lost and Found repository for the Physics building.)
3. **Sign In:** You **must** sign in when you enter the lab. A sign-in sheet will be located on the lab bench at the front of the room. ***Not signing in will result in a 5-point penalty for that experiment.***
4. **Late Policy:** At the start of the lab the TA will outline important procedures and safety guidelines. ***Please do not be late!*** The labs will start promptly at the scheduled time. **Approximately** 10 minutes after that, the door to the lab room will be locked and a sign will be posted on the door, which says, "You have arrived too late to do the experiment." If the door is locked and/or that sign is posted, you have missed the lab and will receive a zero for that experiment.
5. After the introductory lecture, you will perform the experiment. You will usually perform the experiment with a lab partner, but you must answer all questions on the worksheet **IN YOUR OWN WORDS**. ***Not doing so will result in a grade penalty.***
6. **Clean Up and Check Out:** When you have completed the experiment, clean up your station! A clean-up checklist will be written on the front board. After you have cleaned up, call the TA over to check you out. Write your name **and your lab partner's name** at the top of the worksheet and give it to the TA. If you have handed in a worksheet and cleaned up your station properly, the TA will put a check next to your name on the sign-in sheet. ***Do not leave the lab room before your TA has checked-off your name on the sign-in sheet. Leaving the lab without checking out will result in a grade penalty.***
7. **Please keep all graded worksheets on file.** In the event that a grade is not recorded properly, you may be asked to bring in the graded report as proof that you completed the lab.
8. **You will receive a zero for each experiment that you do not perform.**
9. **You can only make up one missed experiment.** To make up an experiment just attend at your regular day and time during the week of April 7-11. You will perform one of the experiments that you missed. If you missed the Electric Fields experiment, even if that is the only experiment you missed, you **MUST** make it up and receive a grade. (Your TA will give more details.)
10. **Laboratory Grade:** Your lab grade will be a combination of:
 - a. The average of the best 8 out of 9 grades you receive on your lab worksheets = 70% of the lab grade.

- b. The grade on the lab final = 30% of the lab grade.

11. **Missing a Lab:** There are all sorts of reasons that you might have for missing an experiment. Some reasons may be considered “*legitimate*” excuses and some may not. What may seem like a *legitimate* excuse to you may not be considered one by us. What constitutes a *legitimate* excuse will be at the discretion of the Laboratory Coordinator, but includes such things as illness requiring a visit to the doctor; university-related travel; etc. **You must provide proof for ALL legitimate excuses**—a note on official letterhead, signed by an appropriate authority: doctor, professor, etc. Even missing a lab to attend a “family-related event,” must be proven by some form of documentation: a wedding invitation, funeral notice, etc.

Missing lab because your car broke down, the bus ran late, the power went out and your alarm did not wake you, you had to study for a test, you were ill but did not see a doctor, etc., **are NOT considered legitimate excuses**. If you know in advance that you are going to miss a lab, but you are not sure if the reason will be considered a legitimate excuse, please contact the Laboratory Coordinator.

To get credit for a legitimate excuse, you must give your documentation to the Lab Coordinator BEFORE the next experiment. If you try to submit it after that it will not count.

Caution: Even though we only take the best 8 out of 9 worksheet grades for part 10a above, you must be careful about missing labs. If you miss more than two labs, the only way you will not get zeroes for the additional misses is if **ALL of your misses** have been because of legitimate excuses for which you have provided the proper documentation in a timely manner as stated above. In other words, even if you have two misses with legitimate excuses, the third miss (and fourth, etc.) must also be with a legitimate excuse.

12. **Missing the Lab Final:** If you miss the lab final and you think you have a legitimate excuse, contact the Lab Coordinator **immediately!** If the Lab Coordinator deems the excuse legitimate and you can provide documentation to prove it, you will be allowed to do a make-up final in another lab section. If you miss the lab final without a legitimate excuse you will get a zero for the lab final.