

PHYSICS LAB

PHYSICS 181.1001/2/10

Fall -2011

Instructor : Ashok Kumar Pokharel
Office : LP Building, 1st floor, Room no 110
Office hour : Monday 1:00 pm-3:00 pm
Mail box : LP building 2nd floor.
E-mail : ashokpokharel@hotmail.com
Lab meeting time : Tuesday 8:00 am-10:00 am, 10:00 am-12:00 pm, and 1:00 pm-3:00 pm
Lab manuals webpage: <http://www.physics.unr.edu/Labs.html>

A. Course description and objective:

The main objective of this physics laboratory is to allow you to witness the concepts and physical laws that are introduced in lecture. You will also be exposed to elementary laboratory techniques and skills. Every class will have a short lecture introducing the procedures, concepts, formulas and instructions relevant to the experiment. The lecture will also cover what is expected from you and how to write-up your lab-report. Good attendance and participation is expected from you. Experiments will be performed in groups however final lab-reports have to be written-up individually.

B. Course Requirements:

1. Attendance:

You are required to attend all the classes. You **cannot turn in** lab report for those labs in which you were **absent**. If you miss three or more classes you do not pass the class. There are total eleven labs in this section and out of which the **best ten** lab reports will be considered for final grading. There will **not** be any arrangement for makeup labs. Always remember to **sign-in** at the beginning of each lab.

2. Lab Reports:

You should read the lab manuals thoroughly before coming to class. This will help you while performing the experiment as well as it reflects how serious you are for your lab classes. The lab reports are due on following class period at the beginning of each class.

The lab report should be neatly typed and free from grammatical and spelling errors. For lab report, please use the format that is given on lab manual. Please follow the format precisely. You should turn in graph, if required, in graph paper. Further you are advised not to copy directly from lab manual and write report on the basis of class lecture and your understanding of the experiment (especially theory and results/discussions part). You **should** obtain the signature of TA on your data page in the lab manual to verify your results after finishing each experiment before leaving the lab.

C. Grading of Lab Report:

Each lab reports worth 50 points which is further divided as below:

Title	1 point
Abstracts	4 point
Theory	10 points
Data	8 points
Analysis	15 points
Results/conclusions	12 point

Total 50 points

Late lab report -Labs are due the following week. There is a one day grace period after which the grade is docked 20%. The grade will be docked an additional 10% for each week the lab is late.

Percentage and Grading of total reports:

90-100	A
80-89	B
70-79	C
60-69	D
Below 60	F

Note: Bonus point will be given for finding and reporting errors in the lab manual.

D. Laboratory Rules:

1. No eating or drinking in the lab (water is ok).
2. If anything is broken please inform TA immediately.
3. If anything looks hazardous please inform TA.
4. Make sure you turnoff all the equipment and disconnect all wires and cables before you leave the laboratory.
5. Try to keep the lab clean and equipment in working condition.
6. **PLEASE**, turn off your cell phones during class!—strictly!

E. Academic Integrity:

All lab works and report preparation must be you own work: any act of plagiarism (cheating, piracy, theft, etc.). Plagiarism or otherwise obtaining grades under false pretenses" constitute academic dishonesty according to the code of this university. Academic dishonesty will not be tolerated and penalties can include canceling a student's enrollment without a grade, giving an F for the course or for the assignment. For more details, see the UNR General Catalog.

F. Academic Success Services:

For example, "Your student fees cover usage of the Math Center (784-443 or www.unr.edu/mathcenter/), Tutoring Center (784-6801 or www.unr.edu/tutoring/), and

University Writing Center (784-6030 or www.unr.edu/writing_center). These centers support your classroom learning; it is your responsibility to take advantage of their services. Keep in mind that seeking help outside of class is the sign a responsible and successful student."

F. Disability statement:

The college will make reasonable accommodations for people with learning disabilities. Students can be tested or may already know about their learning disability. Please contact the Disability Resource Center in the Thomson Suite 101, phone 784-6000. Please let me know within the first two weeks so we can arrange special accommodation for you. All discussions will remain confidential.