

# PHYSICS LAB 151L

## Spring 2012

Instructor : **Narayan Adhikari**  
Office : LP Building, 2<sup>nd</sup> floor, Room LP 222  
Office hour : Wednesday: 200PM – 2:50 AM or by appointment  
E-mail is recommended.  
Mail box : LP building 2<sup>nd</sup> floor.  
E-mail : **adhnarayan@yahoo.com**  
Lab meeting : Wednesday: 3PM – 4:50 PM, 5-6:50PM and Thursday 5-6:50PM  
Lab manuals webpage: <http://www.physics.unr.edu/Labs.html>

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### A. Course description and objective.

The purpose of the physics laboratory is to allow students to witness the concepts and physical laws that are introduced in lecture. You will also be exposed to elementary laboratory techniques. 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, please don't be late. Attendance and participation is expected. Experiments will be performed in groups however final lab-reports have to be written-up individually.

### B. Course Requirements:

#### Attendance:

You are required to attend all the classes. You **cannot turn in** lab report for those labs in which you were **not** present. By department rules, if you miss **three or more classes** you do not pass the class. There are **total 11 labs** in this section and out of which the **best ten** lab reports will determine your final grade. There will be **one makeup lab** given at the end of the semester for those who have a **justifiable absence**. Do not forget to **sign-in** at the beginning of each lab. If you **cannot attend your regular lab class for some reason**, you **can attend another lab section in the same week** at your convenience. But make sure to let TAs know.

#### 1. Lab Reports:

You are expected to read the lab manuals thoroughly before coming to class. This will help you perform the experiment as well as it reflects how serious you are for your lab classes. A group can turn in **a single lab report** if they choose to. Be sure to **mention the names of the partners** if you are writing a single report for the group. The lab reports are due the **following class period at the beginning of each class**.

Each report should be typed and free from grammatical and spelling errors. If you do not have computer, you can use computer lab located at 2<sup>nd</sup> floor of Physics building. Neatly hand -written reports are also accepted.

For lab report, please use the format that is given on lab manual. Please follow the format precisely. You should turn in a graph, if required, on graph paper. Further you are advised not to copy from the lab manual, but 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 to verify your results after finishing each experiment and before leaving the lab.

### C. Grading of Lab Report:

Each lab report is worth 50 points (otherwise stated) which is divided as follows:

Title	1 point
Abstract	5 point
Theory	10 points
Data	8 points
Analysis	14 points
Results/conclusions	12 point
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Total	50 points

**Late lab report:** Labs are due the following class. There is a one day grace period after which the grade is deducted 20%. You must get your report time-stamped from physics office before putting it in TA's mail box. The grade will be deducted an additional 10% for each week the lab is late. For detail grading scheme please go through the distributed lab rubric.

### 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 the 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. Disability statement:** Any student wishing to apply for academic accommodations or adjustments is requested to inform the instructor, or contact the Disability Resource Center (DRC, Thompson, Suite 101, phone 784-6000) directly, as soon as possible to arrange appropriate actions. The DRC will be able to answer any questions regarding accommodations or adjustments.

**Academic Success Services:** For example, "Your student fees cover usage of the Math Center (784-443 or [www.unr.edu/mathcenter/](http://www.unr.edu/mathcenter/)), Tutoring Center (784-6801 or [www.unr.edu/tutoring/](http://www.unr.edu/tutoring/)), and University Writing Center (784-6030 or [www.unr.edu/writing\\_center/](http://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."

**Academic Integrity:** All work such as lab write-up and quizzes must be your own. Any act of plagiarism (cheating, piracy, theft, etc.) is prohibited. 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.

Have a Productive Semester.