

GENERAL PHYSICS LAB

PHYSICS 151L

SUMMER -2009

Instructor **Shambhu Kumar Das**
Office : LP Building, 2nd floor, Room no. 222
Office phone : 775-846-7699
Office hour : Friday 11 a.m. to 12 a.m. or by appointment
Mail box : LP building 2nd floor.
E-mail **sdas_2006@hotmail.com**

Website of lab manual: <http://www.physics.unr.edu/Labs.html>

A. Course description and objective.

This course is designed to allow students to experimentally visualize concepts and physical laws introduced in Phy 151L. Each day we will begin with 10-20 minutes lecture. This lecture includes concepts, formulas and instructions for the experiment that we will be performing that day. You will work with partner to perform the experiment. **Each student will have to prepare lab report individually that contains the results of our experiment.**

B. Course Requirements:

1. Lab Reports.

You are expected to read the lab experiments before class. This will help you while performing the experiment.

The lab reports are due the following class period at the beginning of each class.

Each report should be computer typed and free from grammatical or spelling errors. If you do not have computer, there are many inside campus. In physics building, there is a computer lab in second floor.

You have to turn over graphs by computer when you are writing your report. Please do not copy directly out of the book. one should summarize the lecture provided in the lab and in the book. For example, the theory and procedure should be written in your words.

Please use the format that is given on lab manual

Attendance.:

You are required to attend all the classes. You can not turn over a lab report if you were not present to perform the experiment. By department rules, if you miss three or more class you do not pass the class. There is no way to make up the labs.

If you know ahead of time, you may be able to attend one of the other classes that are offered. In this situation, let me know and we will contact the TA who is teaching that class.

C. Text: Laboratory manual for general physics (available at Physics dept. Office)

D. Grading:

The lab reports are worth 10 points each

Attendance (on time)	1 points
Abstracts	1 points
Theory	2 points
Data/calculations	2 points
Results	1 points
Discussions/questions	2 points
Presentation	1 points

Total	10 points
Late lab report	-2 points

E. Percent of total reports:

93-100 (A)	90-less than 93 (A-)	87-less than 90 (B+)	83-less than 87 (B)
80-less than 83 (B-)	77-less than 80 (C+)	73-less than 77 (C)	70-less than 73 (C-)
67-less than 70 (D+)	63-less than 67 (D)	60-less than 63 (D-)	less than 60- Fail

FINALLY, SINCE EXPERIMENTAL WORK CAN BE SUBJECTED TO HAZARDS OF MANY KINDS. EVERY PERSON WORKING IN THE LABORATORY SHOULD BE VERY CAREFUL TO AVOID POSSIBLE SAFETY PROBLEMS. BE AWARE TO REDUCE THE RISK OF INJURY AND/OR EQUIPMENT DAMAGE, REPORT ANY ACCIDENT OR BROKEN EQUIPMENT TO ME IMMEDIATELY. NO FOOD, DRINKS OR COSMETICS IN THE LAB.

Thank You.