

PHY 102 Laboratory Syllabus (GROUP 2, Room 215 Fawcett)

This course requires the “Physics Lab Manual: Volume Two” available in the campus bookstore. A handout is given at the beginning of each quarter containing additional material in the form of pre-questions and post-questions. Turn these in as directed by your laboratory teaching assistant.

The following are the scheduled experiments that you will be doing. Please read each over completely before coming to lab to familiarize yourself with the material. It is the student’s responsibility to come prepared to the laboratory so that instruction time can be kept at a minimum thus maximizing the time to do the experiment.

WEEK OF	EXPERIMENT
January 2 - 6	No Labs
January 9 – 13	Vibrating String (Exp. 2, pg. 15)
January 16 - 20	Simple Harmonic Motion (Exp. 1, pg. 12)
January 23 - 27	Velocity of Sound (Exp. 3, pg. 18)
Jan. 30 – Feb. 3	Calorimetry (Exp. 5, pg. 26)
February 6 - 10	Linear Expansion (Exp. 4, pg. 22)
February 13 - 17	Equipotential Plotting and the Electric Field (Exp. 6, pg. 28)
February 20 – 24 (Eval.)*	D.C. Circuits (Exp. 8, pg. 33)
Feb. 27 - March 3	Capacitance (Exp. 7, pg. 29) **
March 6 - 10	No Labs

*During the first 10 minutes of lab the students are to evaluate the laboratory and the teaching assistant.

**Being that this is the last experiment of the quarter it is to be completed and turned in before the laboratory is over. There will be no post-questions to answer and only two discussions items to be completed with the experimental write-up.

GRADING SCALE:

The maximum grade for each experiment, except the first and last labs, is 50 points. The first lab report requires no pre-questions and is worth 44 points. The last lab report is finished in lab and is worth 42 points.

A	347 to 386
B	307 to 346
C	248 to 306
D	208 to 247
F	0 to 207