

Physics 212/216 lab, Section 3B

Summer II 2008

Lab: Tuesday & Thursday 12:00 – 3:00 PM Gardiner Hall, Room 108
Instructor: Keron Subero
e-mail address: suberok@nmsu.edu
Office Hour: Tuesday 9:00 – 10:00 AM
Office: Gardiner Hall, Room 101
Coordinator: Chris Pennise, Gardiner Hall Room 207, 646-4906, cpennise@nmsu.edu

Purpose: The purpose of this Physics laboratory is to illustrate the physical principles discussed in the Physics course, to gain skill in asking and answering scientific questions and in using scientific reasoning.

Materials: *Tutorials in Introductory Physics*, (with homework). We will provide you with any additional printed lab materials that you will need. It is recommended you bring a calculator and must come to class prepared to write.

Reading: It is strongly suggested you read through the lab manual beforehand.

Course grade: Your lab course grade will be based on: **attendance/participation (15%)**; **homework (50%)** and a *comprehensive final examination (35%)*. Your lab grade is independent of your grade for the course. When calculating your overall lab grade, the lowest score on *one* lab will be dropped.

Attendance/Participation: Attendance and participation are essential components of the laboratory. We expect you to do all the labs and all the homework. You should tell your TA when you are done with the lab, they will check your work for completeness and may ask questions to ensure you understood what was intended. If you leave without checking with your TA, you will not get full credit for the lab.

The apparatus used in the laboratory is generally only available when the experiment is scheduled. If you must miss a class, arrange with your instructor to attend another section during the same week. If you make up a lab in a different section, you must fill out a lab make-up form and have it signed by the TA whose class you attend. Return this form to your TA so that your attendance can be recorded. If there are *three incomplete* labs at the end of the semester you will *fail* the lab.

Homework: Labs will meet twice a week, and all labs will require homework based on the lab. The homework for each lab will be turned in *one week later* and must be turned in at the *beginning* of the lab session. The last lab, lab 9, will be turned in no later than August 8, 2008. Late homework will be accepted up to two days late, but will be penalized appropriately. *No* homework will be accepted for labs you did not attend!

Academic and non-academic misconduct, including intentional and non-intentional plagiarism: For definitions please refer to the Student Code of Conduct. This information may be accessed through the web at: <http://www.nmsu.edu/%7Evpsa/SCOC/misconduct.html> or <http://lib.nmsu.edu/instruction/plagiarismforstudents.htm>.

Equity: Feel free to call Jerry Nevarez, Director of Institutional Equity, at 505-646-3635 with any questions you may have about NMSU's Non-Discrimination Policy and complaints of discrimination, including sexual harassment.

Students with Disabilities: Feel free to call Michael Armendariz, Coordinator of Services for Students with Disabilities, at 505-646-6840 with any questions you may have on student issues related to the Americans with Disabilities Act (ADA) and/or Section 504 of the Rehabilitation Act of 1973. All medical information will be treated confidentially.

Tentative schedule of topics: This schedule is also posted in the lab room and you can download a pdf copy from the course website.

Summer II 2008 – 212L/216L Lab Schedule (Tentative)

	<u>12:00 – 3:00</u> <u>6:00 – 9:00</u> Sunday	Section-3A (MN) Section -3C (NA) Monday	Section-3B(KS) Tuesday	Section-3A (MN) Section 3C (NA) Wednesday	Section-3B (KS) Thursday	Friday	Saturday
1	July 6	7 Classes Start Lab 1: Charge	8 Lab 1: Charge	9 Lab 2: Electric Field & Flux	10 Lab 2: Electric Field & Flux	11	12
2	July 13	14 Lab 3: Elec. Pot. Difference	15 Lab 3: Elec. Pot. Difference	16 Lab 4: Circuits I ii) Circuits II	17 Lab 4: Circuits I ii) Circuits II	18	19
3	July 20	21 Lab 5: Measurement of e/m for Electron	22 Lab 5: Measurement of e/m for Electron	23 Lab 6: Magnetic Interactions ⁽¹⁾	24 Lab 6: Magnetic Interactions ⁽¹⁾ <i>Last Day to Drop</i>	25	26
4	July 27	28 Lab7: Faraday's Law & App. ⁽²⁾	29 Lab 7: Faraday's Law & App. ⁽²⁾	30 Lab 8: Geometrical Optics ⁽³⁾	31 Lab 8: Geometrical Optics	August 1	2
5	August 3	4 Lab 9: Interference & Diffraction	5 Lab 9: Interference & Diffraction	6 Lab 10: Lab Final Exam	7 Lab 10: Lab Final Exam	8 Last Day of Classes	9
6	August 10	11	12 Summer II Grades Due	13	14	15	16
7	August 17	18	19	20	21 Fall Starts	22	23