Syllabus for PHYSICS 221: Laboratory Physics for Science and Engineering I
FALL SEMESTER, 2005

Laboratory location: Room 103B Lewis Hall
Professor: Dr. Thomas Marshall. I am in charge of choosing the experiments,
supervising the teaching assistants, and assigning grades.
Office/phone number/e-mail: Room 108 Lewis, 915-5325, marshall@olemiss.edu
Office Hours: Wednesdays and Thursdays: 1:30-2:00 p.m. in my office. You may also
schedule a meeting for other times.

Text: Lab Notebook for Phys 221 & Phys 222
Corequisite: Physics 211.
Lab Physicist: Mr. Thomas Jamerson. He is in charge of Phys 221 lab operations and
helps train the teaching assistants.
Teaching Assistant: Each section of the lab has a physics graduate student as a teaching
assistant. The teaching assistant will be your main contact in the lab and will grade
your quizzes, tests, and lab reports.

Goals: In this course we perform lab experiments that complement the concepts studied
in the corequisite lecture course, Physics 211. You will learn laboratory skills and gain an
understanding of measurements and their uncertainties. As in most physics classes,
critical thinking, analytical reasoning, and problem solving skills will be emphasized.


Grades will be based on quizzes, tests, and your lab reports:
- Quizzes (weekly, based on pre-labs and assigned reading) 10 %
- Tests (weekly, on previous week's lab) 30 %
- Lab reports (weekly) 60 %
- Total 100 %

Lab attendance is required; a zero grade will be assigned for unexcused absences.

Quizzes and Tests are given at the beginning of the Lab period. If you arrive later for lab,
you will receive a zero for the quiz and test.

Lab Report Rules:
1. Lab Reports are due at the beginning of the next lab (i.e., one week after doing an
   experiment).
2. Lab Reports should be typed on 8.5 x 11 inch paper with no torn or tattered edges.
   Lab Reports should be stapled.
3. Show your work and include enough English to make it understandable.
4. Data in the Lab Reports should have units and a reasonable number of significant
digits.