Physics 222.006: Elements of Physics-II Laboratory  
Spring 2006

Recitation TR 2:35-3:25 pm, PHY 512  
Lab TR 3:35-5:30 pm, PHY 510

Instructor: Olga Ovchinnikova

Office Hours: Wed 2:20-3:30pm (Tutorial Center) PHY 203, (or by appointment) SERF 414, phone: 974-1602, e-mail: oovchinn@utk.edu.

Course Description: This course is the laboratory portion of the continuation of Elements of Physics-I, and will cover laboratory topics of Electricity and Magnetism as well as Modern Physics. The laboratory is designed to reinforce concepts presented in the lecture portion of this course through direct experimentation. As part of the laboratory you will learn techniques to collect and analyze scientific data, and use the data to test theoretical models.

Text: Selected Introductory Physics Experiments, J. Parks

Quizzes (25%): Short 15min in class quizzes, worth 10pts each will be given at the start of each recitation period, and will consist of 2 questions one from material being covered in the lecture portion of the class and the second concerning concepts from the laboratories. Quizzes CANNOT be made up! However, the lowest quiz grade will be dropped at the end of the semester.

Lab Reports (75%): For every preformed laboratory, each student is expected to turn in an individually written and typed laboratory report the following week at the beginning of the recitation period. The format for the reports will be discussed in detail during the first class.

Students with disabilities should contact me as soon as possible to make arrangements.