Physics 221.013: Elements of Physics-I Laboratory
Fall 2006

Recitation TR 4:55-5:45 pm, PHY 512
Lab TR 5:45-7:35 pm, PHY 508

Instructor: Olga Ovchinnikova

Office Hours: Wed 2:20-3:20pm (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 Elements of Physics-I, and will cover laboratory topics of Classical Mechanics as well as Optics. 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 10min in-class quizzes, worth 10pts each will be given at random, and will consist of materials being covered in the lecture portion of the class and the 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.*