Physics 135  
Section: 001  
Nielsen 508

Instructor: Mzisadari Iniashvili (Irma)  
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Office Hours: Nielsen Tutorial Center,  
Tuesday 10:00-11:35am  
Thursday 12:15-12:40 am

Class schedule:  
Thursdays 9:05-11:00(Nielsen 508)

Course materials:  
Must have Lab manual - all students are required to have their own copy.  
Contemporary Introductory Physics Experiments by Dr. James Parks  
ISBN: 978-0-7380-3083-8 (Available at UT Book Store, near University Center)

Description:  
Laboratory sessions are supplement to P135: Elements of Physics-I course and cover fundamental experiments in Kinematics, Thermodynamics, Waves.

Goals:  
- The Art of Experimentation: The introductory laboratory should engage each student in significant experiences with experimental processes, including some experience designing investigations.  
- Experimental and Analysis Skills: The laboratory should help the student develop a broad array of basic skills and tools of experimental physics and data analysis.  
- Conceptual Learning: The laboratory should help students master basic physics concepts.  
- Understanding the Basis of Knowledge in Physics: The laboratory should help students understand the role of direct observation in physics and to distinguish between inferences based on theory and the outcomes of experiments.  
- Developing Collaborative Learning Skills: The laboratory should help students develop collaborative learning skills that are vital to success in many lifelong endeavors.

Requirements:  
All students are required to hand in their lab reports on the next class just before recitation starts & to be on time for class. Students are required to write Outlines of coming experiments and hand in them attached to lab report. Presence on the labs and recitation hours is mandatory, no exceptions. Students do experiments in pairs, but should submit an individual lab report. In case of submitting the same lab reports, both students will be given ZERO point.

Resources:  
http://www.phys.utk.edu/phylabs.html

Evaluation: Lab reports - up to 60% of the final lab grade; Outlines - 20% Group work - 20%  
Remember: there is no separate lab grade. Final grade obtained from lab sessions will contribute to your final P221 course grade by 25%.
For any possible violations from student in University of Tennessee’s Academic Honesty Policy and Lab’s Security Policy student's grade will decrease correspondingly and he/she may be refused in further attending the lab sessions.