PHYSICS 232  
SPRING 2013  
FUNDAMENTALS OF PHYSICS:  
WAVES, OPTICS AND MODERN PHYSICS

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General Information
Lecture Hours         8:00 – 8:50 am  Mon/Wed/Fri  
Location                  PH415  
Office Hours           1:00 – 2:00 Monday or by appointment  
Laboratory Hours    as scheduled for your section  
Textbook                 Young & Freedman, University Physics,  
                          13th Edition with Modern Physics

General Course Description
This class is a continuation of Physics 231. This course covers material concerning  
ocillations, waves, sound, light, optics, special relativity, quantum mechanics and basic  
pects of modern physics (atomic, molecular, solid state, nuclear and particle physics).

Prerequisites
Physics 231 is a prerequisite. The course and text presume a familiarity with calculus  
and calculus concepts. A background in mathematics up to the level of Math 141-142, or  
equivalent, is highly recommended and is probably necessary for success in the course.

Course Repetition Policy
If you are repeating the course, please refer to the Laboratory Policy Regarding  
Repeating a Course (http://www.phys.utk.edu/labs/Lab%20Repeat.pdf)

Announcements, Lecture Notes, Course Updates   http://online.utk.edu
Aside from in-class discussion, the primary method of communication between you and  
me will be via Blackboard and/or email. This syllabus and other important information  
announcements will be posted there, as well as copies of the slides used in lecture.  
Your grades of in-class exams will be posted in the Blackboard Grade-book, and your  
grades will be available for only you to see. The homework website is  
MasteringPhysics.com. At the end of the semester, your homework and laboratory  
grades will also be posted on Blackboard, along with your final grade. To log into  
Blackboard (http://online.utk.edu), you use your university username and password. The  
course name is:  Physics232_2013_spanier  (id: MPSPANIER51359)  
It will be your responsibility to be aware of the content of any communication taking  
place in class, be it an announcement or anything related to the course material, in case  
you missed a class.

For more information please go to the Blackboard.