PHYSICS 2802 SYLLABUS
FALL SEMESTER 2013

INSTRUCTOR: Ken Barker
Phone: 770-271-1807 (Home)
404-894-5214 (Office)
Email: knbark@aol.com
Office Howey (Physics) W107. Office hours by appointment

TEXT: None

TIME and PLACE: Howey (Physics) Rm. S105A TR, 1:35 – 2:55 PM

GRADING POLICY: Satisfactory completion of Physics 2802 will result in a grade that is independent of your performance in Physics 2211. This grade will be based on in-class participation and written solutions to assigned homework. There will be no examinations or quizzes in this course

Class Participation ----------300 points
Homework ----------200 points
Total ----------500 points

TARGET GRADE DISTRIBUTION:

A – 90%	450 – 500 points
B – 80%	400 – 449 points
C – 70%	350 – 399 points
D – 60%	300 – 349 points
F	0 – 299 points

PERMIT and LAB EXEMPTION: You have been granted a permit to register for PHYS 2802 Please read the following instructions carefully--failure to do so may lead to a registration error, which could cause you to fail 2211 this spring:

1. If you are taking Physics 2802 concurrent with the first time you are taking Physics 2211 or if you are retaking Physics 2211 M or N, you are not lab exempt. You will be required to complete lab in addition to this course so you may disregard the remainder of this section.

2. If you are retaking 2211 A, B or C, you may be entitled to a lab exemption, based on your participation in 2802. Please be aware that such a lab exemption is only valid as long as you remain registered in 2802. If you should later drop this course, the exemption privilege will be nullified, and you will fail the lab portion of 2211 (and hence the course as a whole).

3. Your prior lab score will automatically be carried forward and applied to your grade for the upcoming term. **If you failed lab, do not request a lab exemption, or you will automatically fail the course all over again.** If you received a low lab grade due to poor attendance, you may not want to re-use that score. In that case you should not request a lab exemption

4. Please note that exemption from lab does **not** extend to an exemption from recitation. You must attend one of the regularly scheduled recitation classes. You are free to choose the recitation that best fits your schedule but once you have selected you must inform Dr, Murray (eric.murray@physics.gatech.edu) of your choice. If you have any questions about lab exemptions and recitation requirements, please contact Dr. Andrew Scherbakov (andrew.scherbakov@physics.gatech.edu) for details.

COMMUNICATIONS: The primary means of communication between myself and the students of this course will be e-mail. During the first week of class each student will send me an e-mail message stating your full name and the name you would like to be called in class. This message should be from an e-mail account that you expect to be valid for the entire semester. I will use these e-mail addresses to form a collective address for the class. This collective address will be used to promulgate the weekly homework and any administrative information that is required.

CLASS PARTICIPATION: The most important component of this course is participation of the student in a small classroom environment. Physics problem solving techniques will be learned by actually solving problems while working with your peers and being supervised by your instructor. Problem sets will be assigned during each class period. If these problem sets are completed during the class period they will be graded on the basis of a maximum score of 10 points. These problem sets can be turned in for credit during the next class period but the maximum score would be reduced to 8 points.

HOMEWORK: Homework for this course will consist of written out solutions for selected problems taken from your Physics 2211 text. These problems will be selected to represent the Web Assign homework assigned by your Physics 2211 Instructor. This requirement should minimize additional workload over the assignments required for Physics 2211.

ATTENDANCE POLICY: Attendance in this course is mandatory. Failure to attend any class session will result in a class participation grade of 0 for that day. Students will be able to make up the problem sets missed due to excused absences.

COURSE DROP DATE: The last day to withdraw from this course without penalty is Friday, October 11, 2013. Note, withdrawal from this course may also require withdrawal from Physics 2211 if your lab exemption is nullified.

ACADEMIC HONESTY: The policy on academic honesty as stated in the GIT Honor Code will be fully enforced during this course

GRADING GUIDELINES: First and foremost, while writing out your problem set solutions and homework for this class, keep in mind that the purpose is to make sure you understand **how** and **why** the solutions work. We are looking for you to fully demonstrate your understanding. To get full credit you must use an appropriate format to show how you obtained your answers.

MY OBJECTIVE FOR THIS COURSE: My objective for this course is that you achieve the best understanding possible of elementary physics problem solution concepts. Successfully meeting this objective should enable you to use these techniques to excel in Physics 2211. In class your questions and discussion are essential to this learning process. As your instructor I am available to you for any assistance required for this course and also for Physics 2211. Please feel free to contact me by home phone or email at any time you have questions.