Instructor:  Dr. Chad Fertig
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Course blog: http://www.physast.uga.edu/classes/phys1211/fertig

Times and Locations
Class: Tu-Th Period 4 (12:30 PM -1:45 PM), Physics Bldg., Room 202
Office Hours: As posted on course blog.

Required Course Materials
Student Workbook for Physics For Scientists and Engineers.
You will be assigned various problems from the workbook which will be collected every class. Available at the bookstore.
InterwritePRS “clicker” for classroom participation, available at bookstore.
“Mastering Physics” online homework system. www.masteringphysics.com An access code is included with a new book, or you can purchase access separately if you buy a used book.

Additional Materials (not required)
Student Solution Manual, Chapters 1-19.

Course Format -- An Active Learning Classroom
This course consists of two lecture classes and one lab per week. Each lecture class lasts 75 minutes. Class will not be conducted in the traditional “sage on the stage” format. I will not be “presenting” material that you will dutifully copy into your notebook. Rather, we will use interactive exercises and demonstrations to develop a deeper understanding of the material you have ALREADY encountered in the textbook, having completed your reading assignment and workbook exercises BEFORE you come to class. If you do not accept the role of active learner you will have difficulty in this course. Please note that you are responsible for ALL material in the assigned chapters of the book (i.e., it could show up on a homework or test) even if that material is never explicitly discussed in lecture. To reiterate, studying the chapter before class is crucial to succeeding in this course.

Course Blog
http://www.physast.uga.edu/classes/phys1211/fertig
The course blog will be your primary source of information, including changes to the schedule, practice tests, solutions to workbook exercises, and all other documents and information that I need to disseminate to you. We will not be using WebCT. You will receive email no-
Practices to your MyID@uga.edu email account when new content is posted to the blog. If you prefer a different email account, please let me know at the start of the semester.

Please check the blog before emailing me questions -- it is likely that your concern has already been addressed on the blog.

**Grades website**
You will be able to confidentially access records of your workbook points, clicker points, and exam points throughout the semester via the website [https://grades.physast.uga.edu](https://grades.physast.uga.edu). Login with your MyID. I encourage you to check your scores often to catch any mistakes in bookkeeping.

**“Clickers”**
Extensive use of electronic “clickers” will be made to respond to questions posed during interactive classroom activities. To encourage your active participation, you will be awarded 1 point for a response, and another 1 point for a correct answer, to any clicker question. If at the end of the semester you have accumulated 70% or more of the total available clicker points you will receive a 2 percentage points increase in your final course grade. Obviously, you cannot collect clicker points if you don’t attend class!

Note: You must enter your MyID (specifically, your uga email address WITHOUT the @uga.edu part) as your “Student ID” in your PRS clicker. As clicker points are strictly extra credit, absolutely no allowance will be made for points “lost” because of forgotten clickers or an incorrectly entered Student ID.

**Weekly Homework Sets**
Weekly homework sets will be assigned and completed using the online homework system “Mastering Physics.” [www.masteringphysics.com](http://www.masteringphysics.com). Your first assignment will be a tutorial introduction to using the system, and will not be scored (i.e., will not affect your homework average in any way), but you are required to complete it. Due dates for homework are given on the course schedule, available on the course blog. Late homework is allowed, but will be reduced in credit by 10% each day late. Your lowest 2 homework scores will be dropped from your final homework average. Absolutely no other allowances will be made for late or missed homework due to funerals, car trouble, illness (even with documentation), etc., so don’t use your two dropped homeworks frivolously!

One or more problems on a given homework set may have a written component (a “Dynamics Worksheet”) which you must hand in separately. Mastering Physics will tell you which problems have a Dynamics Worksheet assigned for them. Dynamics Worksheets will be collected in class on the Tuesday after the online homework is due. You may hand them in at lecture up until 10 minutes into class. If you know that you are going to miss a class, you must hand in your Dynamics Worksheets any time BEFORE the start of class to the plastic
bins in front of my office. One Dynamics Worksheet from each set will be selected for grading, and will be worth the points of a typical homework problem. Note that you will be required to use “Dynamics Worksheets,” on exams, so using them to solve homework problems is valuable preparation for exams. Take them seriously, not simply as “busy work.”

**Daily Workbook Exercises**

Exercises from the Student Workbook will be due every lecture. You may hand them in at lecture up until 10 minutes into class. If you know that you are going to miss a class, you must hand in the workbook problems any time BEFORE the start of class to the plastic bins in front of my office. One or more of the problems from each set will be selected for grading. If, at the end of the course, you have an 80% average or higher average workbook assignment score, you will receive a 3 percentage points increase in your course grade; if you have less than a 50% average workbook assignment score, you will suffer a 3 percentage points decrease in your course grade. Your lowest 4 daily workbook exercise percentages will be dropped from your workbook average, to accommodate missing class due to funerals, car trouble, illness, travel, oversleeping, etc. Workbook exercises will not be accepted past 10 minutes into lecture -- there will be no exceptions to this policy.

**Exams**

There will be 3 in-class midterm exams and a cumulative final exam. All exams are closed book and closed notes. You will be allowed to prepare and bring a 3x5 notecard with any formulas you wish to use. Calculators are allowed. The use of any other aid, such as PDAs, cell phones, etc., is considered cheating and a form of academic dishonesty. If you cheat during an examination, you will receive a zero for that exam, and will be subject to the provisions of the University Policy on Academic Honesty (see below). If you miss an exam for a serious, documentable reason, (e.g., you have a doctor’s note for a serious illness), you may take a make-up exam for full credit. If you miss an exam without a legitimate reason (e.g., oversleeping), you may take a make-up exam for 90% credit.

Your worst midterm score (excluding zeros) will replaced by your average midterm score when calculating the final course grade, to make it possible for you to "pull up" a bad score on one midterm by doing well on the others.

**Rules concerning withdrawals and incompletes**

You must know the rules concerning withdrawals and incompletes, as published in the UGA Bulletin. Of particular importance is the following:

“Students who fail to drop a course or wish to withdraw from a course after the designated drop/add period for a term must withdraw through OASIS (Online Access to the Student Information System). An instructor also may withdraw a student from a course due to excessive absences as defined in the courses syllabus. Withdrawals after the drop/add period will result in course entries on the academic record with
Assignment of Course Grades

Your final score (F.S.) for the course will be determined by the following formula:

25%  Online homework
15%  Midterm 1
15%  Midterm 2
15%  Midterm 3
20%  Cumulative Final
10%  Lab grade
+ Increases and/or decreases from clicker points and workbook exercise points (see text for explanation.)

Your final grade will be the highest grade to which you are entitled according to the following scale:

| F.S. ≥ 94 = A | F.S. ≥ 77 = C+ |
| F.S. ≥ 90 = A- | F.S. ≥ 74 = C |
| F.S. ≥ 87 = B+ | F.S. ≥ 70 = C- |
| F.S. ≥ 84 = B  | F.S. ≥ 64 = D |
| F.S. ≥ 80 = B- | F.S. ≥ 0 = F |

Note that course grades are not assigned “on a curve,” (i.e., a certain fraction of students getting A’s, B’s, etc.). Your grade is a reflection of your own performance, and does not depend on the performance of your classmates. Thus, I strongly encourage you to help one another study and learn.

Academic Honesty

http://www.uga.edu/ovpi/honesty/acadhon.htm

All academic work must meet the standards contained in "A Culture of Honesty." Students are responsible for informing themselves about those standards before performing any academic work. More detailed information about academic honesty can be found at the website given above. As a UGA student, you are responsible for knowing and understanding this policy. If you have any questions about the propriety of actions relating to this course, you are obligated to ask me for clarification.
This syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary.