

## PHY2054 Syllabus - Physics 2 Spring 2011

**Course WEBSites:** **There are three PHY2054 WEBSites that you will need to use.**

(1) The Physics Department PHY2054 WEBSite at

<http://www.phys.ufl.edu/courses/phy2054/spring11/>

This site contains the class announcements, the assigned homework problems, the course schedule, exam room assignments, and the course syllabus. You should check the class announcements on a regular basis.

(2) The University of Florida e-Learning PHY2054 WEBSite at

<https://elearning2.courses.ufl.edu/portal/site/1c22ad74-b3cf-42ab-a3c9-78ef9618b8af>

This site contains previous exams, correct answers for your exams, the class lectures, and the course grades. Estimated course grades will be posted here after each of the two exams and your final course grades will be posted here after the final exam.

(3) The WebAssign PHY2054 WEBSite at

<http://www.webassign.net>

This is where you do the on-line homework. Your username, institution code, and initial password are as follows: username = gatorlink username, institution code = ufl, password = UF-ID (8 digit number). You will also need the access code that comes with your textbook.

### **Course Instructors:**

**Prof. Pradeep Kumar** – Ph. 392-6690, email: [phy2054@phys.ufl.edu](mailto:phy2054@phys.ufl.edu), Office: 2160 NPB.

**Prof. David Reitze** – Ph. 392-3582, email: [phy2054@phys.ufl.edu](mailto:phy2054@phys.ufl.edu), Office: 2265 NPB.

### **Course Coordinator:**

**Prof. Rick Field** – Ph. 392-5702, email: [phy2054@phys.ufl.edu](mailto:phy2054@phys.ufl.edu), Office: 2043 NPB.

**Office hours are posted on the course website.**

Only e-mails to [phy2054@phys.ufl.edu](mailto:phy2054@phys.ufl.edu) will receive a response. E-mail to the instructor's direct accounts will be ignored.

**Textbook:** The required text: **College Physics with WebAssign**, Authors: Serway, Vuille, and Faughn, Publisher: Cengage, Edition: 8<sup>th</sup> Volume 2, ISBN: 9781111020903 (Note that this ISBN number is unique to the University of Florida and is sold only at local bookstores. The text includes a code used for the required on-line homework.) A student solution manual is also available. Homework in this course is graded and will count towards your final grade. The homework is done online, using the **WebAssign** system. Your textbook will contain your access code to **WebAssign**.

**Homework:** **On-line graded homework is due by 11:00pm almost every Friday starting on January 14, 2011.** To get onto the online homework system you will need to enter the access code that came with the textbook. Your **WebAssign** username, institution code, and initial password are as follows: **username = gatorlink username, institution code = ufl, password = UF-ID (8 digit number).** **You should change your**

**initial password when you login for the first time.** The problems come from your textbook. However, the numbers are randomized for each student (*i.e.* the problems will be same as the textbook but with different numbers). You will have **five** tries to get the problem correct answer. You will not be counted off for “significant figures”, however to get credit your answer **must be correct within 2%**. For most of the problems **WebAssign** will give you a “hint” after the third incorrect try. For about half of the assigned problems **WebAssign** will provide you the “solution” after the third incorrect try. The “solution” will be for the problem in the textbook. After studying the “solution” you will have two more tries to get the correct answer. For about half of the assigned problems you will not be given the solution. You must learn how to do these problems on your own. The course Schedule Page gives the assigned problems and due dates. Once the due date/time (*e.g.* Friday/11:00 pm) has passed no further input of answers for credit will be accepted. It is your responsibility to get your homework in on time. Last minute computer/local server problems will not excuse you from this responsibility. In doing the online homework you can get help in discussion section, office hours, and from tutors. To provide a measure of forgiveness for illnesses and possible network problems, **10% of the on-line homework grades will be dropped in evaluating your final grade.** **The on-line homework portion of the course will count for 15% of the overall course grade.**

#### **WebAssign On-Line Homework Schedule**

Assignment	Due Date (by 11:00pm)	Material
HW Set 1	Friday January 14	Chapters 15.1-15.9
HW Set 2	Friday January 21	Chapters 16.1-16.5
HW Set 3	Friday January 28	Chapters 16.6-16.10
HW Set 4	Friday February 4	Chapters 17.1-17.7
HW Set 5	Friday February 11	Chapter 18.1-18.7
HW Set 6	Friday February 25	Chapter 19.1-19.9
HW Set 7	Friday March 4	Chapter 20.1-20.8
HW Set 8	Friday March 18	Chapter 21.8-22.7
HW Set 9	Friday April 1	Chapter 23.1-24.4
HW Set 10	Friday April 8	Chapter 24.5-25.3
HW Set 11	Friday April 15	Chapter 25.4-25.6

**Discussion Section Quizzes:** **Discussion sections start the first week of classes (*i.e.* January 5, 2011) and quizzes start on Wednesday and Thursday January 19-20.** A quiz will be administered during many of your **Wednesday** or **Thursday** discussion section meetings (**10 total quizzes**). The quizzes will test how well you learned the concepts and methods of the assigned homework problems. The quiz will be very closely related to your homework problems. The problems may be restructured to provide guidance, allow awarding of partial credit and discourage memorization of only the formula for the solution. You are expected to learn how to do the homework problems *on your own without any notes or other help* (*i.e.* there are **no crib sheets for the quizzes!**). In doing the online homework you can get help in discussion section, office hours, from tutors and from other students. However, in the end you must learn the methods needed to do the problems on your own. The quizzes will give partial credit (**0-5 points**) so if you set up the problem correctly but make an algebraic mistake you will get some of the credit for the problem. You will be permitted documented (*e.g.* medical note) absences from the discussion sections, with make-ups for missed quizzes to take

place at the first opportunity determined by your TA. To provide a measure of forgiveness for possible missed quizzes, **10% of the quiz grades will be dropped in evaluating your final grade.** **The quiz portion of the course will count for 20% of the overall course grade.**

**Quiz Schedule\***

Week	Date	Quiz Problem
1	1/3/11-1/7/11	No Quiz
2	1/10/11-1/14/11	No Quiz
3	1/17/11-1/21/11	Q1: 15.1-15.9
4	1/24/11-1/28/11	Q2: 16.1-16.5
5	1/31/11-2/4/11	Q3: 16.6-16.10
6	2/7/11-2/11/11	Q4: 17.1-17.7
7	2/14/11-2/18/11	No Quiz
8	2/21/11-2/25/11	Q5: 18.1-18.7
9	2/28/11-3/4/11	Q6: 19.1-19.9
10	3/7/11-3/11/11	No Quiz
11	3/14/11-3/18/11	Q7: 20.1-20.8
12	3/21/11-3/25/11	No Quiz
13	3/28/11-4/1/11	Q8: 21.8-22.7
14	4/4/11-4/8/11	Q9: 23.1-24.4
15	4/11/11-4/15/11	Q10: 24.5-25.3
16	4/18/11-4/22/11	No Quiz

\*Quizzes are on Wednesday or Thursday.

**Exams & Final: Two in-term exams and a cumulative final exam.** The date and time for each exam, and the chapters it covers are listed on the Course Schedule Page. These exams will not take place in your lecture hall in the physics building. Room assignments for where you must go to take the exams will be announced during class in the days leading up to the exam and posted on the course web page. Exams are multiple choice with your answers bubbled in on Scantron sheets. Mark your answers carefully. What you mark will determine your score (independent of your having meant otherwise). To each in-term exam you may bring a single *hand written* formula sheet on 8½ x 11 inch paper (both sides) and you should bring a calculator (calculators may not be shared and may not have electronic communications capability), #2 pencils, an eraser and your picture ID (preferably your UFID). Scrap paper will be provided. To the final exam you may bring one additional (2 total) *hand written* formula sheets. If you miss one of the two exams during the semester, a valid excuse will allow you to take the cumulative make-up exam to replace the zero on the missed exam. Valid excuses are officially sanctioned UF events, medical excuses or family emergencies. There will be one cumulative make-up exam (covering material from both exams) given on Wednesday, April 20, 2011. The grade on this make-up exam will replace the missed exam. **The two in-term exams and the final exam will be equally weighted and count for 60% of overall course grade. None of the exam grades will be dropped.**