

Syllabus for PHY 2060 Enriched Physics 1 — Newtonian Mechanics

Fall 2013

Section 3879

Instructor: Steven Detweiler

office: Physics Building #2174

office hrs: Wed 1:00-2:00 and Thu 3:00-3:50pm

Please do not drop by my office before class on Tuesdays or Thursdays. I am always busy going over my lecture notes at that time.

email: det@ufl.edu (preferred)

phone: 392-4948 (not preferred)

Announcements: You are responsible for announcements made at the beginning of class. In particular, changes in the schedule or homework assignments along with descriptions of upcoming tests are announced at the beginning of class. Some of this information will also appear on the course homepage:

<http://www.phys.ufl.edu/courses/phy2060/fall13/period2-3>

Attendance: Attendance is required in this course. However, I will not be taking roll, but if you miss a class then it is *your* responsibility to find out what was discussed in that class. Please consult with an attentive classmate about what you missed—you are more likely to receive a more useful response from a classmate, than you would receive from me.

Final Grading: Two in-class tests and the final exam are each worth a maximum of 80 points. The homework and quizzes are each worth an additional 30 points maximum. Your lowest two quizzes will not count toward your quiz score. Thus, the maximum total score in this class is 300 points.

It is my intention to assign you a final letter grade which would match my expectation of what you would have obtained if you had been in PHY2048. I will set a grading scale after the first test.

At the end of the semester, you may be certain that anyone whose final letter grade is higher than yours also has a higher point total.

There will be no make-up tests. If you miss one test then your grade will not be determined by the above process. Rather, I will use my best judgement to assign your final grade in a manner that is fair to you as well as to the majority of students who take all of the tests at the scheduled time.

Tests: There are two in-class tests and one cumulative final exam. The final exam is given at a time determined by the official University exam schedule. This time (unfortunately) happens to be at 7:30am on Friday, December 13, 2013.

You must take the final exam at the time determined by the official University exam schedule. There will be no exceptions, unless the entire class unanimously agrees to take

the exam as a group at a different day or time for which a room is available.

If you miss two in-class tests or if you miss the the final exam then you will receive a grade of I, but only if you also meet the College of Liberal Arts and Sciences requirements for a grade of I as described in the CLAS policy as set forth in the appropriate pdf document in the “Miscellaneous” link on the course web-page, or on e-Learning.

Homework: Weekly homework assignments are due at the beginning of class on Tuesdays. Homework problems are available on the e-Learning website.

It is my personal preference that homework be due at the *beginning* of class on each Tuesday. This would allow me to discuss immediately the homework in class while it is still fresh in your minds. The downside of this choice is that late homework (handed in after the beginning of the homework discussion) would neither be accepted nor graded.

As a possible alternative, the homework would still be due at the start of class every Tuesday. However, you would be granted a “no cost” extension until 4:00pm, on the same Tuesday, to hand in your homework to me in my office (NPB 2174) or by sliding it under my door. In that case, I would discuss the homework during class on the following Thursday, at which time you are likely to have forgotten what your answers to the homework were.

During the first class meeting, we will have a class vote to determine which of these two possibilities will be used for the homework.

Regardless of when the homework is due, each part or question of each assigned problem will be graded on a scale of 0, 1 or 2 homework-points. Please show your work. Even a correct answer will not count as 2 points if sufficient work is not included. At the end of the semester, your entire homework score will be normalized and worth 30 points toward your final grade.

If you expect to miss class on Tuesday, then please submit your homework sometime *before class* (specifically, not during class) by handing it to me in class on the previous Thursday, putting it in my mailbox, in room 2005, handing it to me in my office, #2071, or sliding it under my office door before 8:15am.

Expect to see homework problems on material from the assigned reading that has not yet been covered in class.

Please work together on your homework assignments. But, your submitted homework must be in your own words, equations and handwriting.

Bonus Homework-Points: Occasionally, there might be special bonus problems whose solution might grant you *bonus homework-points*. Bonus homework-points are added on to your “un-normalized” homework score. So, two bonus homework points are the equivalent of having one part of one problem correct. The awarding of bonus homework-points will be described in class at the appropriate time. Bonus homework points cannot be used to raise your final, normalized homework score above 40 points.

How to succeed in this course:

- Read the relevant chapters in the text before coming to lecture. The lectures are much clearer if you are properly prepared.
- Take detailed notes during the lectures—this keeps you awake and engaged. If you miss class, then borrow notes from a fellow student. It is your responsibility (not mine) to find out what was discussed in class.

- Invest at least seven hours reading the text, reviewing class notes and problem-solving per week outside of class. I suggest that this time be spread throughout the week.
- Work as many problems as possible on a weekly basis.
- Keep up on a regular basis. In physics, keeping up is much easier than catching up.
- If you have physics questions, then please see me during my office hours, or make an appointment for some other time. If you e-mail me with a physics question, then I will ask that you come in to see me during office hours. Or, if it is appropriate, I will try to answer the question during the next lecture. Discussions via telephone or e-mail are very poor methods to learn or to teach physics.
- If you email me, then use your gatorlink account—this is the primary way that I use to identify each of you. If I don't respond to your email then please ask me the same question in the lecture room just before class starts. I am almost always 10 minutes early for class.

Your Expectations:

- You should expect lectures to start on time and to be interesting, clear and relevant.
- You should expect to have homework assignments and tests graded and returned promptly.
- You should expect to have tests which reflect the principles and ideas that are discussed in the lectures, read by you in the textbook or covered in the homework assignments.

My Expectations:

- I expect each of you to be on time for every class. If you happen to be late or to miss class, then please ask a classmate to fill you in on what was missed. It would take me ninety minutes and a blackboard to repeat what I said in class. Also, please don't ask me if I said anything "important" —*All that I say is important.*
- I expect each of you to submit all homework assignments. Homework is an integral part of the course. You are encouraged to work together, but you must each submit your own homework in your own words, equations and handwriting.
- Please turn off your cell-phone when you enter the classroom. Having the gator fight song, as your ring-tone, blaring out of your backpack makes a poor impression on your instructor.
- Dishonesty of any sort will result in failing this course. *Any misrepresentation of other's work as your own is dishonest. Any false information regarding an excuse for homework assignments or tests is dishonest.* I take the University Honor Code seriously, and consider any form of dishonesty in this course to be a personal insult.

A comment about excuses:

I have tried hard to structure this course so that you will have no need to provide me with an excuse. Over the years I've heard every excuse that you can imagine. Some are good. Some are ridiculous. I don't know why any of you would want to present me with an excuse,

but some of you will anyway. Before even listening to an excuse, I require documentation. For example, an excuse involving a doctor should include an original receipt (not a copy) which shows the doctor's name, phone number, time and date of appointment. An excuse involving parents or close relatives should include a signed, explanatory note from a parent or close relative which includes an address and phone number. An excuse involving a towed automobile should include a receipt from the towing company along with documentation such as a Florida-tag registration which shows ownership of the automobile. Please warn the towing company, doctor, parent or close relative to expect a phone call from me. Read the next section on Academic Honesty.

Academic Honesty:

The University of Florida Honor Code applies to all aspects of the course. Violators of the academic honesty code will receive a failing grade (E) in the course. Thus, a student who has a B grade, but cheats to try to get an A would receive an E in the course and risk possible expulsion from the university for a repeat violation. *Any misrepresentation* of other's work as your own is a violation of the University honor code. *Any false information* regarding an excuse for homework assignments or tests is a violation of the University honor code.

Students with disabilities:

Students requesting classroom accommodation for disabilities must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation.

Grade of Incomplete:

The College of Liberal Arts and Sciences requires that a grade of "I" (Incomplete) may not be assigned unless all three of the following requirements are met: (1) The student and instructor have discussed the situation prior to the final exam. (2) The student has completed a major portion of the course with a passing grade. (3) The student is unable to complete course requirements because of documented circumstances beyond his or her control. See the Liberal Arts and Sciences form on the Notes and Solutions webpage.