

Physics 21 – Summer 2016

(any Physics 19 students please see me ASAP)

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Textbook and MasteringPhysics: 1) "University Physics, Volume 2," Hugh D. Young and Roger A. Freedman, Fourteenth Edition, Pearson Addison-Wesley, 2016 (ISBN-13: 978-0-13-397800-1). You should feel free to use either a hardcopy or an electronic version (see below). Make sure your purchase includes chapters 21-36. 2) A subscription to the MasteringPhysics online homework system is **required** and can be purchased bundled with the textbook or subscribe on-line at <http://www.masteringphysics.com>. Please note that through this site you can also purchase access to an on-line version of the textbook if you prefer that to a hardcopy. 3) If this is your first-ever course in Physics, I strongly recommend the Student Solutions Manual (ISBN13: 978-0-13-396928-3) which contains full solutions for half of the odd-numbered problems. If you order direct from Pearson, the cost should be about \$70 which might even include free FedEx ground shipping from NJ in 1-2 days.

Reading Assignments are essential and required! They should be completed **before** the material is discussed in lecture.

Attendance at all course meetings is required for continued enrollment in the course under University policy (see section 3 of Rules and Procedures).

Online Homework (conceptual questions) will be submitted via MasteringPhysics. MP also includes "Tutorial" practice problems and "ExtraCredit" exam preparation practice problems. Access to all MP online activities will END at the start time for the Final Exam. To subscribe, please note that Lehigh's zip code is 18015, and the course id is PHYSICS21SUMMER2016LICINI.

Written Homework will be submitted at the beginning of class. Keeping in mind that your goal is to be able to solve physics problems by yourself on the exams: 1) The assignments are graded primarily on whether you've made a serious effort instead of numerical accuracy, so it is far better to actually work on the problems than to copy somebody else's perfect solution, and 2) Start working on the assignments **early** so that if you get stuck, you have time to discuss the problems with your coursemates or email me.

Quizzes: The quiz questions are typically similar to homework problems. Only your highest five quiz scores are used in the computation of your course grade. Missed quizzes count as a zero.

Exams: Two midterm exams will be given. If a midterm must be missed for a valid reason, the scaled score from the corresponding section of the final exam will be substituted. The exams will be "closed book" but you will be supplied with an equation sheet and you will receive information about bringing in a page of your own notes. The three exams may draw on prior material but will probably not specifically re-test that prior material.

Course Grading:	Homework	100
	Quizzes (best 5)	50
	Exam 1 (Mon July 18?)	100
	Exam 2 (Mon August 1?)	100
	Exam 3 (Fri August 12?)	100
	<hr/> TOTAL	<hr/> 450

University Policies: We fully support accommodations for religious or disability reasons. We fully enforce standards of academic integrity. Please do not hesitate to contact Prof. Licini or your recitation instructor.

RELIGIOUS HOLIDAYS: *(Extracted from memo sent by University Provost and Chaplain.)*

1. Inform your instructor that you will be absent from class due to observance of religious holidays.
2. Arrange with the instructor to complete assignments or any required make-up work.
3. If you run into difficulties negotiating an acceptable resolution, please call the University Chaplain, Dr. Lloyd Steffen, at x83877 or e-mail him at lhs1. (Religious holidays are posted on the Chaplain's web page at <http://www.lehigh.edu/~incha/holidays.html>)

Accommodations for Students with Disabilities: If you have a disability for which you are or may be requesting accommodations, please contact both your instructor and the Office of Academic Support Services, University Center C212 (610-758-4152) as early as possible in the semester. You must have documentation from the Academic Support Services office before accommodations can be granted.

STATEMENT ON IRRESPONSIBLE ACADEMIC BEHAVIOR: (after Prof. Barry Bean, Biology)

There are many forms of irresponsible behavior that can ruin opportunities for you or for others in this course; there is no room and no excuse for bad behavior. Examples of irresponsible behavior cover a wide range, and include cheating, plagiarism, creating hazards or disruptions, slacking on responsibilities, unfairly exploiting the efforts of others, etc. Appropriate penalties should be expected. Offenders may lose points from their course totals, and serious offenders may be dropped from the course. Further explanation and guidelines on academic integrity at Lehigh can be found on the University Student Conduct System web page (http://www.lehigh.edu/~indost/conduct/hbook_4.html) and on the Fostering Academic Integrity at Lehigh University web site (<http://www.lehigh.edu/academicintegrity>).

It is firm policy in this course that cheating or plagiarism are unacceptable violations of academic integrity, and will earn an F as the semester grade in the course. **ALL EXAMS AND QUIZZES ARE REQUIRED TO BE STRICTLY YOUR OWN INDIVIDUAL WORK!**

HOMEWORK COLLABORATION POLICY: (after Prof. Edwin Kay, CSE)

Learning on homework assignments allows for healthy cooperation and collaboration. In grappling with the course work, the SHARING of ideas is educationally useful. The COPYING of ideas is destructive, fraudulent, and unacceptable.

It is difficult to know where to draw the line between educationally useful sharing of ideas and the educationally destructive copying of ideas. I will paraphrase Roger D. Eastman of Loyola College (attributing the source material!): "I encourage you to help each other with homework assignments, but I also want you to understand where the help should stop. Don't take someone else's solution to copy or "for reference," or give yours for copying or "for reference." If you want to show someone your solution to illustrate the trouble you are having, that's fine; if you want to brainstorm about what the assignment requires and how to approach it, that's fine; if you want to share your knowledge of physics, that's fine; but letting someone copy your solution line by line, in fact or spirit, is not fine." Working together on troublesome areas, then continuing individually is a good technique. It is okay to tell the other person what is wrong and coach them toward solving the problem, but do not simply provide the correct equations.

Please note that the homework grading policy is designed so that making a serious attempt earns most of the points. In fact, indicating on your homework where you get stuck or have trouble will INCREASE the chance that you will get some notes of advice from the grader that will actually help you learn how to solve that type of problem. Submitting a copy of someone else's perfect solution will lead to LOWER exam scores since you will be unprepared to work the problems on your own.