

Physics 215: Physics for Pharmacists
Spring Semester, 2004

Lecture: T-Th 11:00 – 12:15 am, Room 109 Lewis Hall
Lab: Th 1:00 – 3:00 pm, Rm 211 Lewis Hall

Professor: Dr. William Slaton
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Office Hours: To be announced

Text: Physics, 5th edition, by Douglas Giancoli

Grades: A's are 90-100%, B's are 80-89%, C's are 70-79%, etc.
Grades will be based on homework, tests and the final exam as follows:

Laboratory	15%
Homework & Pop Tests	17%
Test 1	17%
Test 2	17%
Test 3	17%
Comprehensive Final Exam	<u>17%</u>
	100%

FINAL EXAM:
Tuesday, May 4th, 4:00 pm, Room 109 Lewis Hall

Laboratory Rules:

1. Lab Manuals MUST be brought to lab. No Excuses.

Homework Rules:

1. Homework is due at the beginning of class when due. No Excuses.
2. Homework paper should be 8.5 X 11 inches with no torn or tattered edges. Homework pages with more than one page should be stapled.
3. Homework will be graded and returned in a timely manner.

Class Rules:

1. After the first day, you will need to sit in the same seat for each class.
2. Class attendance is not required. Arriving late to class or leaving early distracts everyone (me especially). Both are rude, so please avoid them.

I encourage you to attend class for two reasons:

1. All of the important topics (i.e., those that appear on the tests) will be discussed in class.
2. Questions concerning anything from a class lecture (e.g., class discussion, a physics demonstration, a film shown) may appear on a test or the final exam.

Study Habits:

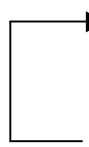
- 1) Read material before class
- 2) Pay attention in class; take notes
- 3) Review your notes
- 4) Read material again!
- 5) Do Homework

Physics is a problem solving and critical thinking course. The difficulty of the course depends on your mathematics ability, your creative and critical thinking skills and most importantly on how much you practice. To be good at something requires practice – to be good at Physics (to get a good grade) you should do the homework, study the examples in the text, do extra problems and ask questions.

Guide for Homework Problems:

- 1) Show all work with short written description at each step
- 2) Draw neat figures
- 3) Use units on all quantities
- 4) Clearly indicate your answer
- 5) Use appropriate notation (vector signs, etc)

Physics is an attempt to understand the universe in the following way:

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- 1) Observe the universe
 - 2) Develop mathematics laws to model the universe
 - 3) Apply the laws to problems or to learn more about the universe
 - 4) Compare the results to observations

GOALS:

- Introduce physics concepts specifically needed for preparation for present and future topics in the pharmacy curriculum
- Extend these concepts to topics in life science and research areas in the pharmaceutical sciences
- Develop logical methods for problem solving
- Develop specific laboratory skills for data acquisition and analysis
- Learn to use specific laboratory instruments and computer systems for data acquisition, analysis and presentation
- Develop graphing skills for appropriate presentation of data in reports
- Develop communication skills involving technical writing