

California State University Northridge

Department of Physics and Astronomy

Physics 100A - Ticket # 13412 - MWF 8:00-8:50 - Spring 05

Dr. Armen Kocharian - Science 1, Room. 1127 - Ext. (818) 677-5203

Email: armen.n.kocharian@csun.edu

Internet: <http://www.csun.edu/~akocha>

1. Text book is College Physics by A. Giambattista, B. M. Richardson, and R. C. Richardson, ISBN 0-07-052407-6 (McGraw-Hill, 2004). The text comes with the Student Solutions Manual, ISBN 0-07-052497-1 (McGraw-Hill, 2004). This course is a continuation of 100A covering chapters 16-30. The required mathematical level of the course is reviewed in Appendix A of the textbook. Each and every topic is not covered during class time. All the students should complete all the material on their own, specially the ones planning to take the MCAT exams. The suggested course schedule follows below. The dates and chapters to be covered are listed below and also available on the web at www.csun.edu/phys/100a.

Tentative Plan

Date Week of:	Lecture on these sections	Quizzes	Problems
Jan. 31	1.1 – 1.9 & 2.1-2.6		
Feb. 07	3.1-3.7	Quiz #1	
Feb. 14	4.1-4.7		
Feb. 21	5.1-5.7	Quiz #2	
Feb. 28	6.1-6.8		
Mar. 07	7.1-7.8	Exam #1	
Mar. 14	8.1-8.9	Quiz #3	
Mar. 21	NO CLASSES		Spring Break
Mar. 28	9.1-9.8		Mar. 31 – No Classes
Apr. 04	10.1-10.6; 11.1-11.3	Quiz #4	
Apr. 11	11.4-11.7		
Apr. 18	12.1-12.6	Exam #2	
Apr. 25	13.1-13.6		
May 02	14.1-14.6	Quiz #5	
May 09	15.1-15.6		
May 16	Review	Quiz #6	
May 23	Finals Week	Final Exam	Comprehensive

2. There will be 6 quizzes worth 10% of the total grade; you can drop one quiz. There will be two midterm exams worth 25% each of the total grade and one final comprehensive exam worth 30% of the total grade. Mark your calendar with the exam date, when you are responsible for being there on time. If you have a religious holiday type conflict, let me know during the first week of classes, no later than February 04, 2005. The final exam cannot be changed under

any circumstances. You are allowed to bring to the exams and final (not the quizzes) one 8.5 x 11 sheet of paper, one side only, with equations and facts that you hand write. Cheating is prohibited. And you are requested to avoid even the appearance of cheating.

3. Homework problems will be assigned and collected weekly. Normally, you will be assigned 10 problems per week but only 5 problems will be collected for grading. Two of the five problems will be selected at random (without your knowledge) and will be assigned 3 points each and the other three one point each, for a total of 9 points per homework assignment; you can drop the lowest two homework assignments. The homework will be worth 10% of the total grade. I will solve some example problems during class time. Solutions to all assigned homework will be available on the web. Students are encouraged to work in problem-solving groups, seek free tutorial assistance from the Society of Physics Students (SPS) when available and use any other means. You will be primarily tested on problem solving, similar to the homework problems, though some essay/theory type questions may be also asked.

4. The grade distribution will be as follows:

A	87% and higher
B	75-86%
C	60-74%
D	45-59%
F	44% and below.

Along with letter grades I will use the +/- system, so in each range the low values will be minus and the high end plus.

The total score is accumulated as follows:

10%	Homework
10%	Quizzes
25%	Midterm #1
25%	Midterm #2
30%	Final Exam

5. Office hours M 9:50-11:10 and by appointment. The Department office in Science Building #1, Room 1124C, or call (818) 677-5203.

6. Plan on spending at least 6 hours each week studying on your own. The course builds on previous materials. Though, each quiz/exam is based on a few sections, previous knowledge is always helpful if not necessary. It is difficult to catch-up if you do not keep up with the course schedule. Please reduce your outside school activities to a minimum to receive the most from your education experience at CSUN.

7. All students are advised to have a CSUN email account to be able to interact with the instructor. Also the student must have full access to the computer at home or at the college and use my web page <http://www.csun.edu/~akocha> to download practice quizzes and other supplementary materials, additional instructions and assignments.