

PHYSICS 202: Spring '93

Prerequisites : Physics 201 or equivalent.

Materials needed : Text: R.A. Serway, Physics for Scientists & Engineers, 3rd edition.

Laboratory Manual: Rollefson and Richards, Laboratory Experiments in General Physics, 1992 edition.

Laboratory notebook: Spiral bound, preferably with 5 or 6 mm cross hatched ruling. Bring to first laboratory meeting.

Calculator: Must have trigonometric, exponential, and logarithmic functions. Know how to use it and be sure that batteries are charged for exams.

Lectures : The lectures are to supplement, not substitute for, reading and studying the text. They will be shared by Profs. Smith and van den Brand

Laboratory : Follow the "General Instructions" in the laboratory manual (pages 1-3). The experiments are to be written up during the laboratory period in the lab notebook. The lab notebook is not to be taken from the laboratory. **YOU MUST COMPLETE AT LEAST 10 OF THE 11 LABORATORY ASSIGNMENTS IN ORDER TO RECEIVE CREDIT FOR THE COURSE.** You must get written permission from *only your lab T.A.* to take a make-up lab. Make up time is given for the labs covered in each exam period during the week of the exam only.

Homework : The homework problems are assigned in the syllabus for each week and should be handed in at the first meeting of your discussion section after week of the assignment. Homework will count toward your grade. Feel free to discuss the homework with others. The solutions will be explained in your discussion section and will be available in the Physics Library.

Discussion Section : There will be a weekly 10-minute quiz consisting of a problem similar to one of the homework problems you have solved.

Office Hours : Teaching Assistants will have office hours in the consultation room (2312 Sterling Hall). You may go to the office hours of any T.A. Profs. Smith and van den Brand will have office hours from 11 am to noon, Tues. and Thurs or by appointment.

Examinations : **DO NOT REGISTER FOR THIS COURSE IF YOU ARE NOT SURE THAT YOU WILL BE ABLE TO ATTEND ALL EXAMS.** (*i.e. do not take a course that meets or has exams on Mondays at 5:55 - 6:55 PM, or a Final at 5 PM on May 12*) Makeup exams will *not* be given. The average of the other exam scores will be substituted for the missing exam, *provided* you have a written excuse from a physician, dean, or academic advisor only. There will be three one hour exams on the dates shown (Mondays) at 5:55 pm. Rooms to be announced. You may bring *one* 5" x 8" card (crib sheet) to each exam.

Grading : The course grade will be made up of 75% exams (15% for each hour of examination) and 25% discussion, homework and labs.

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Phys. 202 Week	Date (1993)	Chapter	Lab Topic	Homework
1	T Jan. 19	Chapter 23	No Lab	1,18,23,29
	R 21	Chapter 23		42,50,54
2	T 25	Chapter 24	E-1, part 1	8,10,12,31, 40,53,58
	R 28	Chapter 25		3,12
3	T Feb. 2	Chapter 25	E-1, part 2	14,27,29,37, 72
	R 4	Chapter 26		5,7,18,31
4	T 9	Chapter 26	E-2	48,87,72
	R 11	Chapter 27		8,12,23,38,45,53,59
5	M 15	EXAM 5:55 pm Ch 23 - 26		
	T 16	Chapter 28	Make-up	7,14,19,32
	R 18	Chapter 28		41, 47,82
6	T 23	Chapter 29	E-3	3,11,14,26,30, 55,59
	R 25	Chapter 30		4,19,25,27
7	T Mar. 2	Chapter 30	E-6	44,55,60
	R 4	Chapter 31		2,8,18,22,31,41,58
8	T 16	Chapter 32	E-7	2,6,26,39,58,72
	R 18	Chapters 32,33		(32)-76, (33)-1,10,18,31
9	M 22	EXAM 5:55 pm Ch 27 - 31		
	T 23	Chapter 33	Make-up	40,48,72
	R 25	Chapter 16		5,6,10,30,35,42,50
10	T 30	Chapter 17	E-8,E-9	1,10,20,25,31, 35,60
	R Apr. 1	Chapter 18		7,16,19,32,60
11	T 6	Chapter 34	E-8,E-9	5,12,30,33,41,45
	R 8	Chapter 34,35		(34)-47, (35)- 3,11,24
12	T 14	Chapter 35	S-1,S-3	31,34,45
	R 16	Chapter 36		3,4
13	M 19	EXAM 5:55 pm Ch 32-34,16-18		
	T 20	Chapter 36	Make-up	13,24,28,73
	R 22	Chapter 37		2,20,31,42
14	T 27	Chapter 37	L-1	51,59
	R 29	Chapter 38		6,17,31,50,58
15	T May 4	Chapter 38	L-2	
	R 6	Review		
	W 12	FINAL EXAM 5:05 pm Ch 16-18,23-38		