

PHYSICS 202: Spring '96

Prerequisites: Physics 201 or equivalent.

Materials needed: Text: R.A. Serway, Physics for Scientists & Engineers, 3rd ed. *Updated Ver.*
Laboratory Manual: Rollefson and Richards, Laboratory Experiments in General Physics, 1994 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. Kluzniak and Smith

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 (2318 Sterling Hall). You may go to the office hours of any T.A. Profs. Smith and Kluzniak 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 another course that meets or has exams on Mondays at 5:55 - 6:55 PM, or a Final at 10:05 AM on May 16*). 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 (1996)	Chapter	Lab Topic	Homework
1	T Jan. 23	Chapter 23	No Lab	1,8,18,23,29,
	R 25	Chapter 23		38,42,50,52,54
2	T 30	Chapter 24	E-1, part 1	4,8,10,12,31,40,50,58
	R Feb. 1	Chapter 25		3,12
3	T 6	Chapter 25	E-1, part 2	14,26,29,37,46,54,72
	R 8	Chapter 26		6,18,31
4	T 13	Chapter 26	E-2	48,58,62,67
	R 15	Chapter 27		8,12,23,38,45,53
5	M 19	EXAM 5:55 pm Ch 23 - 26		
	T 20	Chapter 28	Make-up	6,14,19,28,32
	R 22	Chapter 28		44,47,54,65,82
6	T 27	Chapter 29	E-3	3,11,14,26,30,42,55,59
	R 29	Chapter 30		4,16
7	T Mar. 5	Chapter 30	E-6	26,34,44,50,55
	R 7	Chapter 31		2,8,18,22,31
8	T 19	Chapters 31,32	E-7	(31)-38,44
	R 21	Chapter 32		2,6,26,39,42,50,58,68
9	M 25	EXAM 5:55 pm Ch 27 - 31		
	T 26	Chapter 33	Make-up	1,10,18,25,31
	R 28	Chapter 33		40,48,52,62,66
10	T Apr. 2	Chapter 16	E-8,E-9	6,10,30,35,42
	R 4	Chapter 17		1,10,20,32,42
11	T 9	Chapter 18	E-8,E-9	7,16,19,32,52,60
	R 11	Chapter 34		5,14,28,30,32
12	T 16	Chapters 34,35	S-1,S-3	(34)-33,41,47
	R 18	Chapter 35		3,11,17,24,30,34,42
13	M 22	EXAM 5:55 pm Ch 32-34,16-18		
	T 23	Chapter 36	Make-up	3,6,13,24,28
	R 25	Chapter 36		44,52,66,72,73
14	T 30	Chapter 37	L-2	2,20,28,42,51,59
	R May 2	Chapters 37,38		(38)-6,17,31,50,58
15	T 7	Chapter 38	L-1	
	R 9	Review		
	R 16	FINAL EXAM 10:05 am Ch 16-18,23-38		

RULES FOR ADMINISTRATION OF EXAMS

Physics 202

Silence from beginning of exam until students exit the room. Announce this at the beginning and end of the exam.

Students sit in parallel lines separated in each row by one empty seat.

Time of Exam beginning and end are written on the blackboard.

Time remaining is written on the board every 10 minutes and a vocal warning is issued at 10 and 5 minutes remaining.

No students are allowed to leave during the last 5 minutes of the exam. This is announced once at the beginning of the exam and at the 5 minute warning.

TA's are present during the exam, record the attendance of the students in their sections and collect the exam from their students personally.

All Exams have a cover page without questions.

The Exams are handed out so that all students have a copy before the time to begin the exam.

Students are instructed to write their name on the exam cover page, but not to turn the cover page over until they are told to begin.

At the time for the exam to begin, the students are told to turn over the cover page, write their name at the top of each page, count the number of pages, raise their hand if they do not have the correct number of pages, and to begin the exam.

At the conclusion of the exam the students are instructed to stop writing. They are warned that if they write past the instruction to stop writing they will receive a zero. This warning is issued before the exam begins and when the exam is over.

RULES FOR GRADING OF EXAMS

Physics 202

Assignments of grading responsibilities are made at the beginning of the semester.

Each TA will grade all of one problem for a particular exam as assigned.

Deviations in grading from the solution key must be cleared with the instructors.

Partial credit is to be awarded wherever possible. Any answer that bears a remote resemblance to a correct approach or has written down the appropriate formula should receive about 25% of the possible points for that answer. Any answer that demonstrates a reasonable start towards solution should receive 50%.

Purely arithmetic mistakes should only have one point taken off. One point is taken off for units or a sign mistake. Arithmetic mistakes that propagate through a problem should only have points deducted once, not for each answer affected.

If a correct answer shows no work and such work is required to determine the answer, only half credit is awarded. Each exam says clearly "show all work".

Each TA totals up the exam grade for the exams in their sections.

All blank areas on front and back of sheets are to be marked through with a red line so that returned exams cannot be tampered with.

No exams are to be returned to the students until the curve for the exam is released.

The final exam is not returned to the students, although they may see the course instructors to view their final exams.

If any tampering by a student is suspected, all future exams are to be xeroxed before return to the student.