

## PHYSICS 201: Fall '95

**Prerequisites :** Calculus (Math 221 or equivalent).

**Materials needed :** Text: R.A. Serway, Physics for Scientists & Engineers, 3<sup>rd</sup> ed. *Updated Ver.*  
Laboratory Manual: Rollefson and Richards, Laboratory Experiments in General Physics, 1995 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. Amundson and Smith

**Laboratory :** Follow the "General Instructions" in the lab manual (pages 1-3). Experiments are to be written up during the lab period in the lab notebook. The notebook may not 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 (1402 Sterling Hall). You may go to the office hours of any T.A. On Tues. and Thurs., Prof. Smith will have office hours from 11 am to noon, and Prof. Amundson will have office hours from 1 pm to 2 pm. Prof. Amundson and Prof. Smith are also available 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 Sept. 27, Oct. 28, Nov. 20 at 5:55 - 6:55 PM, or a Final at 5:05 PM on Dec. 19.*) 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 and one two-hour final on the dates and times shown above. Rooms to be announced. You may bring *one* 5" x 8" card (crib sheet) to each hour exam and *one* 8.5" x 11" sheet to the final.

**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. 201 Week	Date (1995)	Chapter	Lab Topic	Homework
1	T Sep. 5	Chapter 1	M-1	2,14,26,32,42
	R 7	Chapter 2		4,15,24,29,46
2	T 12	Chapter 3	M-2	9,16,31,48,70
	R 14	Chapter 4		10,34,36,43,56
3	T 19	Chapter 5	M-4	11,25,28,30,32
	R 21	Chapter 5		38,39,43,52,54,62
4	T 26	Chapter 6	Make-up	8,10,15,20
	W 27	EXAM 5:55 pm Ch 1 - 5		
	R 28	Chapter 6		34,36,38,52
5	T Oct. 3	Chapter 7	M-10	8,16,20,25,43,48
	R 5	Chapter 7,8		54,57,70,(8)-1,10
6	T 10	Chapter 8	M-5	12,22,25,36,49
	R 12	Chapter 9		12,18,28,40,83
7	T 17	Chapter 10	M-6	5,12,18,24,41
	R 19	Chapter 10,11		28,29,34, (11)-1,4,7
8	M 23	EXAM 5:55 pm Ch 6 - 10		
	T 24	Chapter 11	Make-up	20,28,33,34
	R 26	Chapter 11		36,48,54
9	T 31	Chapter 12	M-9	6,10,18,22,34,35,38
	R Nov. 1	Chapter 12,13		28,32, (13)-3,10,16
10	T 7	Chapter 13	M-7	18,22,29,39,46
	R 9	Chapter 14		10,15,20,30,42
11	T 14	Chapter 14,15	M-15	44,54, (15)-12,13,23
	R 16	Chapter 15		30,35,40,44,47
12	M 20	EXAM 5:55 pm Ch 11 - 15		
	T 21	Chapter 19	Make-up	2,32,42,50,66
13	T 28	Chapter 19	H-2	
	R 30	Chapter 20		3,12,19,32,37
14	T Dec. 5	Chapter 20,21	H-4	46,74, (21)-6,7,12
	R 7	Chapter 21		20,29,38,48
15	T 12	Chapter 22	Make-up	3,14,18,20,27,49
	R 14	Review		
	T 19	FINAL EXAM 5:05 pm Ch 1 - 22		