

Fall Semester 1993

PHYSICS 202

Instructors: R. Joynt B301 Sterling Hall, 263-4169
 M. C. Gonzalez-Garcia 4414 Sterling Hall, 262-4699
 Textbook Serway, Physics for Scientists and Engineers, 3rd Edition, 1990
 Laboratory: Experiments in General Physics, Rollefson and Richards, 1992

<u>Lecture</u>			<u>Assignments</u>	
Date	Reading	Problems	Due Date	Laboratory
Sept. 2	Chap. 23	23-1,18,23,29,42		No Lab
Sept. 7	Chap. 23	23-50,54,61,73		No Lab
Sept. 9	Chap. 24	24-8,10,12,31,40,52	Sept. 14	
Sept. 14	Chap. 25	24-58; 25-3,12		E1, part 1
Sept. 16	Chap. 25	25-14,27,29,37,72	Sept. 21	
Sept. 21	Chap. 26	26-5,7,18,31		E1, part 2
Sept. 23	Chap. 26	26-48,67,72	Sept. 30	
Sept. 28	Chap. 27	27-8,12,12,28,45,53,59		Make-up
Sept. 29	1st Hr Exam	5:55 PM, Chapters 23-26		
Sept. 30	Chap. 28	28-7,14,19,32,41	Oct. 5	
Oct. 5	Chap. 28	28-44,47,57,82		E2
Oct. 7	Chap. 28	29-3,11,14,26,30,55,59	Oct. 12	
Oct. 12	Chap. 30	30-4,19,25,27		E3
Oct. 14	Chap. 30	30-44,55,60; 31-2,8	Oct. 29	
Oct. 19	Chap. 31	31-18,22,31,41,58		E6
Oct. 21	Chap. 32	32-2,6,26,39,58,72	Oct. 28	
Oct. 26	Chap. 32,33	32-76; 33-1,10,18,31		Make-up
Oct. 27	2nd Hr Exam	5:55 PM, Chapters 27-31		
Oct. 28	Chap. 33	33-40,48,72	Nov. 2	
Nov. 2	Chap. 16	16-5,6,10,30,35,42,50		E7
Nov. 4	Chap. 17	17-1,10,20,25,31,35,60	Nov. 9	
Nov. 9	Chap. 18	18-7,16,19,32,60		S1, S3

Nov. 11	Chap. 34	34-5,12,30,22,41,45	Nov. 18	
Nov. 16	Chap. 34,35	34-47; 35-3,11,24		Make-up
Nov. 17	3rd Hr Exam	5:55 PM, Chapters 32-33, 16-18		
Nov. 18	Chap. 35	35-31,34,45,49,53	Nov. 23	
Nov. 23	Chap. 36	36-3,8,13,24,28	Dec. 2	E8, E9
Nov. 25	THANKSGIVING RECESS			
Nov. 30	Chap. 36	36-40,46,51,59,73		E8, E9
Dec. 2	Chap. 37	37-2,20,29,31,42	Dec. 7	
Dec. 7	Chap. 37	37-51,59,61,68		L1
Dec. 9	Chap. 38	38-6,17,31,40,50		
Dec. 14	Chap. 38	38-54,58,61,65		L2
Dec. 17	FINAL HOUR EXAM 7:45 AM (Chapters 34-38)			

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Physics 202 Course Information

Instructors:

Robert Joynt, B301 Sterling Hall, 263-4169, Home 255-9935
Concha Gonzalez-Garcia, 4414 Sterling Hall, 262-4699
Office Hours: Joynt - Tues. 3:30-5:00, Weds. 9:00-11:00, Fri. 1:00-2:00
Office Hours: Gonzalez-Garcia - to be announced

Texts and Materials:

Serway, Physics for Scientists and Engineers, 3rd Ed.
Rollefson and Richards, Experiments in Elementary Physics, 1993.
Bound or spiral notebook with cross-hatched rulings.
Scientific calculator for use during exams and solving homework problems.

Teaching Assistants:

Graduate student teaching assistants will direct discussions and laboratory sections. They will also answer questions during consultation hours.

Consultation Room:

Teaching assistants will be available to answer questions in room 2312 Sterling Hall approximately 20 hours per week. The schedule will be posted on the door of the consultation room during the first week of classes. If you have to talk with your own TA, see him and make an appointment.

Homework:

Homework problems covering the material for each chapter have been assigned. These required problems must be handed in to your TA in the first quiz-section following the date due.

Exams:

Hour examinations will be held on Wednesday evenings as indicated in the syllabus (Sept. 29, Oct. 27, and Nov. 17), and will begin promptly at 5:55 PM and end at 6:55 PM. A 1 hour final examination will be given Friday, Dec. 17, at 7:55 AM. The exams will emphasize homework, and may include questions about laboratory experiments. For all exams you may bring a single 8-1/2"x11" sheet of notes—both sides. **NO MAKE-UP EXAMS WILL BE GIVEN.** No unexcused absences from exams will be permitted. Students who are unable to take an exam must contact one of the professors prior to exam time. Students who miss an exam because of a verifiable illness or other unavoidable situation will be graded on the basis of the exams he/she has taken.

Laboratory:

Satisfactory work requires completion of all experiments listed on the syllabus. Arrange for missed labs promptly with your TA. The course grade is reduced by 1/2 grade (e.g. AB to B) for each missed lab not made up. It is physics department policy that if two or more labs are missed and not made up you will fail the course! You are expected to perform the assigned experiments during the week they are scheduled and in the section to which you are assigned. If you have a conflict and you wish to attend another section, this must be approved in advance by your TA and by the TA teaching the other section. Please follow the "General Instructions" in the lab-manual, including the suggested form for keeping lab-notebooks. All data are to be kept in your notebook and all questions are to be answered there. The notebook is to remain in the lab at all times. In order to receive credit for an experiment you should show your notebook to your TA before you leave the laboratory. The TA will initial and date the work and record the completion of the experiment in his/her class record.

Grading:

Grading will be based on 500 total points as follows:
3 hour exams at 100 points each, 1 final-exam at 100 points, and 100 points for the collective lab and quiz-section work.
(Homework accounts for 25 of the 100 points and laboratory work will count for remaining 75 points.)

This numerical score will be supplemented by information contributed by TA's during grading, so participation in discussion, homework preparation, exceptional lab-work, etc., can have important effects for those students close to the grade borderlines.