

Physics 122 - Section 0401
Fundamentals of Physics II

Fall 2006

Instructor:

T. R. Kirkpatrick
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TEXT: College Physics vol. 2,
by Serway/Faughn

CLASS MEETINGS:

	Time	Location	TA's
Lecture:	M: 7:00-8:15pm W: 7:00-8:15pm	Phys. 1412	

OFFICE HOURS:

Name	Email	Place	Phone	Time
Prof. Kirkpatrick	tedkirkp@umd.edu	IPST-1110	301-405-4801	M: 5:00-7:00pm

You may also meet with the instructor appointment.

ELECTRONIC CALCULATORS:

The homework and exam problems require an electronic calculator with scientific functions: trig, log, exponential, and arbitrary roots and powers.

HOMEWORK

The weekly homework problem sets, and their due dates, are shown on the [homework assignments](#) page. Problem sets are to be handed in at the start of your discussion section of the week shown. Late homework may be accepted up to one day late at the discretion of the teaching assistants. The homework problems are an essential part of the course: the exams in the course will test your ability to solve problems of the type given in the homework. For grading, several homework problems will be selected at random from each set turned in. Your course homework score will be based on the number of solutions submitted (2/3) and the grade for the problem (1/3).

EXAMS

There will be 3 exams given during the lecture period on the dates shown in the attached schedule. *All exams are closed-book exams.* In computing your course grade, the lowest score of the three in-class exams will be dropped. The final exam will be based on the entire semester's work; the material covered in the in-class exams is indicated on the schedule. Make-up exams will not be given.

QUIZZES

Starting the week of September 11, a 10-min quiz will be given during recitation every week except those weeks in which hour exams are scheduled. Each quiz will consist of a slightly revised problem from the homework due the previous week. Make-up quizzes will not be given; however, your lowest two-quiz scores will be dropped.

LABORATORY

There is a laboratory part of Physics 122 which meets in room Z-3312. The lab grade is folded in with the Physics 122 course grade. You must pass the lab part of Physics 122 in order to pass the entire course. If you do not pass this part of the course you will be required to repeat the entire course. The labs meet for three hours a week. You must complete all of the labs, including the culminating labs in order to pass the course. You are expected to attend each class and will be allowed to make up labs only under exceptional circumstances. For more information on the laboratory portion of this course, consult the course with page, or contact the instructors listed in the Schedule of Classes.

GRADE

The course grade will be based on homework, in-class exams, the final exam and the laboratory weighted roughly as follows:

2-highest in-class exams:	35%
quizzes (best 10)	5%
homework (best 10)	10%
final exam:	25%
laboratory:	25%

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LECTURE AND EXAM SCHEDULE

Day	Date	Lecture will cover chapters	Notes
W	Aug. 30	Chapter 15	
W	Sept. 6	Chapter 15	
M	Sept. 11	Chapter 16	
W	Sept. 13	Chapter 16	
M	Sept. 18	Chapter 17	
W	Sept. 20	Chapter 17	
M	Sept. 25	Chapter 18	
W	Sept. 27	Chapter 18	
M	Oct. 2	Chapter 19	
W	Oct. 4	Exam #1	Chapters 15-18
M	Oct. 9	Chapter 19	
W	Oct. 11	Chapter 20	
M	Oct. 16	Chapter 20	
W	Oct. 17	Chapter 21	
M	Oct. 23	Chapter 21	
W	Oct. 25	Chapter 21	
M	Oct. 30	Chapter 22	
W	Nov. 1	Chapter 22	
M	Nov. 6	Chapter 24	
W	Nov. 8	Exam #2	Chapters 19-22
M	Nov. 13	Chapter 24	
W	Nov. 15	Chapter 27	
M	Nov. 20	Chapter 27	

M	Nov. 27	Chapter 28	
W	Nov. 29	Chapter 28	
M	Dec. 4	Chapter 28	
W	Dec. 6	Exam #3	Chapters 24, 27, 28
M	Dec. 11	Final	7:00 - 9:00 pm

HOMEWORK ASSIGNMENTS

Week Number	Homework Due Week of	Problems
1		
2	11 Sept.	Chapt. 15: 3, 8, 16, 22, 38, 44, 46, 53
3	18 Sept.	Chapt. 16: 4, 10, 11, 14, 23, 30, 35, 44
4	24 Sept.	Chapt. 17: 3, 7, 18, 25, 30, 33, 40, 44, 56
5	2 Oct.	Chapt. 18: 2, 4, 8, 10, 30, 32, 38, 40, 44, 46
6	9 Oct.	Chapt. 19: 2, 4, 12, 16, 17, 28, 36, 46, 54
7	16 Oct.	Chapt. 20: 2, 4, 8, 16, 20, 26, 29, 33, 43, 48
8	23 Oct.	Chapt. 21: 2, 4, 7, 12, 16, 20, 24, 28, 33, 38, 45, 53
9	30 Oct.	Chapt. 22: 2, 6, 8, 12, 16, 30, 34, 38
10	6 Nov.	No homework
11	13 Nov.	Chapt. 24: 2, 4, 10, 19, 22, 30, 32, 36, 40
12	20 Nov.	Chapt. 27: 2, 4, 13, 26, 34, 38, 42, 44
13	27 Nov.	Chapt. 28: 2, 8, 10, 20, 28, 32, 34, 36