

Physics 221- Elements of Physics

Instructor: Dr. Jon Levin 974-8705
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Class meets MWF 9:05, Nielsen Physics Room 415

Office Hours: MW 10:00-11:00 . I WILL MEET WITH YOU ALMOST ANYTIME, by Mutual agreement. Please ask!

Text: Physics, by Giancoli, 5th edition. Chapters 1-15. Three supplemental texts.

Grading:	Test I		Friday, September 10
	Test II]	40%	Monday, October 11
	Test III		Friday, November 12
	Final	25%	Monday, December 6, 10:15
	Homework	15%	
	Laboratory	20%	

Please note:

- If this were an English class, you would read the relevant material before class. You should do the same for physics! Since you're viewing the complete semester schedule with your other eye, you know what to study before class; not to have mastered it, but to have gone over it carefully enough to understand the definitions and basic concepts as well as to appreciate the difficulties. Reading quizzes, as part of your homework grade, will be given to encourage advance reading. Class time will be used to help explain the more difficult material and present examples relevant to students interested in the health sciences. If you can understand it easily by reading, then I won't bore you with it in class. I will try to find new and imaginative ways to bore you.
- The highest two scores on the three hour-long tests will contribute toward your grade. You may miss one of the hour-long tests for any reason, including illness, other tests, a great party the previous night, or a sudden attack of acute acalculia. As a result, there will be no makeup tests without a note from a doctor, and a notarized letter from his/her mother certifying that he/she is a real doctor. The final will be comprehensive.
- The tests will be closed book, and you may NOT use a calculator. Homework problems will be a large part of each exam, but the numbers will be changed so that the arithmetic will not require a calculator.
- I will not collect all homework, but your Teaching Assistant will assign particular problems to each of you to be written up carefully, presented to your section each week, and turned in. Did I mention that homework problems will be a large part of each exam?
- Personal Response System units will be issued to each of you. You must bring them to all classes. UT will charge \$50 for lost or damaged PRS units.

Physics 221 – Elements of Physics
Class Schedule, Fall 2004

Week	Date	Material	Problems Due and Comments
1	08/18	Introduction, discussion of syllabus and schedule, distribution of Personal Response System units.	No recitations this week. Problems will be presented to your section each week. For Chapter 1, be prepared to present any problem. Subsequently, your TA will assign the next week's problems.
	08/20	1.1-1.8	
2	08/23	2.1-2.5	Chapter 1: Q3, P17, P22, G40
	08/25	2.6-2.7	
	08/27	3.1-3.4	
3	08/30	3.5-3.6	Chapter 2: Q12, Q15, P5, P14, P26, P48, G70
	09/01	4.1-4.5	
	09/03	4.6-4.7	
4	09/06	Labor Day	Chapter 3: Q15, P16, P22, P36, G58, G61
	09/08	4.8	
	09/10	Test I: Chapters 1-3	
5	09/13	5.1-5.3	Chapter 4: Q15, Q22, P3, P9, P30, P48, G65, G66
	09/15	5.5-5.8, 5.10	
	09/17	6.1, 6.3-6.4	
6	09/20	6.5-6.7	Chapter 5: Q13, P7, P18, P30, P40, G65, G74
	09/22	6.8-6.10	
	09/24	7.1-7.4	
7	09/27	7.5-7.6, 7.8-7.9	Chapter 6: Q12, P10, P27, P30, P35, P44, P54, P69, G74, G85
	09/29	8.1-8.3	
	10/01	8.4-8.6	
8	10/04	8.7-8.8	Chapter 7: P11, P14, P23, P48, P53 Chapter 8: P16, P23, P30, P44, P51, P60
	10/06	9.1-9.3	
	10/08	9.4-9.5	
9	10/11	Test II: Chapters 4-8	No recitations this week.

	10/13	9.6-9.8	
	10/15	Fall Break	
11	10/18	10.1-10.5	Chapter 9: P6, P34, P42, P50, P55, G81
	10/20	10.6-10.8	
	10/22	10.9,10.12-10.13	
12	10/25	11.1-11.3	Chapter 10: P4, P17, P25, P34, P39
	10/27	11.4-11.7	
	10/29	11.8-11.9,11.11-11.12	
13	11/01	12.1-12.4	Chapter 11: P4, P22, P28, P41, P50, P51
	11/03	12.5-12.6	
	11/05	12.7-12.8, 12.10	
14	11/08	13.1-13.2, 13.4	Chapter 12: P2, P11, P29, P47, P55
	11/10	13.5-13.8	
	11/12	Test III: Chapters 9-12	
15	11/15	13.9-13.11	Chapter 13: P8, P17, P25, P40, P52
	11/17	14.1-14.5	
	11/19	14.6-14.9	
16	11/22	15.1-15.3	No recitations this week.
	11/24	15.4-15.5	
	11/26	Thanksgiving	
17	11/29	15.7-15.12	Chapter 14: P6, P17, P23, P40 Chapter 15: P5, P19, P39, P47
	12/01	Study day	
	12/03		
18	12/06	Final 10:15-12:15 Chapters 1-15	