

**University of Massachusetts, Boston, Physics 108, Summer, 2007,
NOTES ON THE SYLLABUS FOR PHYSICS 108, SUMMER, 2007**

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The textbook for this course is *Physics, Sixth Edition*, Douglas C. Giancoli (Prentice Hall, New Jersey, 2005). Optional study materials may be available at the Bookstore.

- The subject matter of the course will cover chapters 14 - 25, and chapter 27, extending from thermodynamics, electricity, magnetism, electromagnetism, electrical circuits, electromagnetic waves, light, geometrical optics, physical optics, to quantum physics. But the exact order of the material covered, and the extent each subject will be covered, might be altered.
- Lectures will fairly cover the text material although the order in which I present the lecture may not exactly follow the order in the text. You should read all the sections in the chapters completely, and contact me or the TA's if you have any questions. I will work out several problems in class. Class participation is strongly encouraged in solving these problems. **Both the class examples and the assigned homework problems will be the basis of the problems that appear on the examinations.**
- The assigned problems, two to four per chapter, should be handed in on the due dates given. If slippage of the syllabus occurs, or if the schedule is changed for any other reason, due dates for homework will be changed accordingly. **Homework will never be due before the material it is based on has been covered in class.**
- There are three exams including the final. These are given in weeks 3, 5, and 6. The final exam takes place on the last class period of the semester, August 23, 2007.

SOME GROUND RULES FOR THIS COURSE

- A homework assignment should be handed in on its due date. There is too little time during the summer sessions to allow late homework. It then is not graded and handed back in a timely fashion. I'll try to make homework solutions available right after an assignment is due but that doesn't always happen.
- Each student should do his or her own individual homework. Homework should not be the joint effort of two or more students. Students may, and should work together to understand homework, but what you hand in should be your own individual work. Homework that appears to be the joint effort of two or more students will not be accepted. The Physics 108 Tutors will not assist with assigned homework problems until *after* the due dates.

COMPOSITION OF THE FINAL GRADE

The final grade will be determined as follows:

- A. The average score from the home works will constitute 20% of the final grade
- B. Each of the two 1-hour exams carries a weight of 20%
- C. The final 2 hour exam carries a weight of 40%

POLICY ON MAKE-UP EXAMS

Make-up exams WILL NOT be given except for A FEW serious reasons.

- A) The death, and your attendance at the funeral of close relatives: father, mother, brother, sister, son, daughter, spouse. Also grandparents, aunts, uncles, cousins, close friends. Furthermore, for the allowed funeral absences, you **MUST** provide evidence in the form of a **CERTIFIED** Death Certificate and verifiable date and time.
- B) Injury or illness serious enough to require the attention of a **CERTIFIED** M.D physician, Chiropractor, or other serious medical practitioner, who must provide you with signed documentation of when and where you were treated and for what condition.
- C) Occupational conflicts and conflicts with other courses will not get you a make-up exam. You and your employer or other instructor will have to work out your conflicts. I will take no part in that.
- D) Jury duty. I must see your State Notice showing date and time.

PHY 108 SYLLABUS (continuously updated)
Dr. Anand Kumar

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Week of	Day	Chapter:	HW Problems	HW Due Dates	Comments
7/16/2005	7/16 7/17 7/18 7/19	16 16 17 18	16: 5, 6, 14, 47 17: 23, 37, 45 18: 3, 7, 9, 13	7/23 7/24 7/26	
7/23/2005	7/23 7/24 7/25 7/26	18 19 20 20	18: 29,43 19: 7,13,15,23 20: 1, 3, 11, 43	7/30 7/31 8/2	
7/30//2005	7/30 7/31 8/1 8/2	Exam #1 21 21 22		8/7 8/8	Hour exam Chaps. 16 - 19
8/6/2005	8/6 8/7 8/8 8/9	23 23 24 24		8/14 8/15	
8/13/2005	8/13 8/14 8/15 8/16	Exam #2 25 15 15		8/20 8/21	Hour exam Chaps. TBD
8/20/2005	8/20 8/21 8/22 8/23	TBD TBD Review for Final Exam Final Exam			Final is 2-hr exam ch TBD