PHYSICS 240
SPRING QUARTER 2008

LECTURE - In general, the lectures will be designed to supplement as well as help clarify material covered in the text. To derive maximum benefit from the lectures you should read the assigned material beforehand and try to answer two questions - what new quantities are being defined and what are the main points being stressed?.

RECITATION – A recitation time must be selected when registering for this course (co-requisite). The recitation class is scheduled in order that you may receive more individualized attention to questions that may arise than is possible in the lecture. The meetings will be conducted on a "give and take" basis, and you are expected to participate actively in the discussions that arise. Additionally you should work on all of the assigned study exercises for each class period before coming to class. You will find that a much greater benefit will be derived from the discussions if you have a reasonable familiarity with the material to be covered.

HOMEWORK: Weekly homework assignments are listed in the schedule. Your solutions, neatly written and carefully showing how you arrived at your results should be submitted as part of your assignment at the **start** of the Recitation class meeting. The lowest homework grade out those collected will be dropped. Therefore, there will be no late homework accepted. All of the pages should be stapled together so they do not become separated in the grading process. You may also submit your homework assignment before the start of class to a secretary in the Physics Dept. Office (#248 Fawcett). Homework assignments should never be slid under office doors because they get lost that way.

LABORATORY – Phy 200 is a separate course which is co-requisite. The laboratory is a very important part of physics since experimentation is the ultimate source of all our knowledge about our environment. The experiments you will perform were chosen with an eye toward giving you the "flavor" of the experimental method as well as to supplement the lectures.

EXAMINATIONS - Two exams and a final will be given during the quarter. Also weekly short quizzes will be given to keep you involved on a weekly basis.

GRADING -	First Hourly Exam	100 points
	Second Hourly Exam	100 points
	Third Exam/ Comprehensive final	200 points
	Homework	100 points
	Class participation/Clicker Quiz's	50points
	Total	550 points

The Final Exam consists of the last hourly exam and a comprehensive exam. If for a documented serious reason you miss an examination, you may request special permission to take a make-up examination. At the end of the quarter as grades are being assigned, it is always found that a number of students fall near the "break points" between grades. For the students who fall close to these points, recommendations of the recitation instructor (which will include attendance and class participation) and a careful analysis of the final examination will be used as a guide in the assignment of the letter grade.

An expected distribution of grades for the final averaged total scores is given below. I however reserve the right to modify this grade distribution to better suit the distribution of scores from the class.

100% --- **A** --- 88% --- **B** --- 75% --- **C** --- 62% --- **D** --- 50% --- **F** -- 0

GENERAL COMMENTS - Solutions to the homework will be posted online after the last recitation of the week. If you have difficulties with the material you are urged to seek help (sooner rather than later). You can go to the lecturer, recitation instructor, help room (to be announced), or another student; in any case the ultimate responsibility for understanding the material is the student's.

TENTATIVE SCHEDULE FOR PHYSICS 240 SPRING QUARTER 2008

MONDAY	Wednesday	Homework Assignment
3/31 Introduction & Chapter 3 Vectors	4/2 Chapter 2 One-Dimensional Motion	Chap 3-21,25,27,28
4/7 Chapter	4/8 Chapter 4 Two- Dimensional Motion	Chap 3-15,34,35,44 Chap 2-1,9,17,19,25,36,48
4/14 Chapter 4	4/16 Chapter 5 The Laws of Motion	Chap 4-1,2,8,9,13,15,30,36,52
4/21 Chapter 5	4/23 **Exam 1** (Chap 1-4)	Chap 5- 12,13,14,20,23
4/28 Chapter 6 Circular Motion	4/30 Chapter 7 Work and Energy	Chap 5- 26,40,42,54,67 Chap 6- 2,14,48,52,55
5/5 Chapter 7&8 Conservation of Energy	5/7 Chapter 8	Chap 7-2,15,31,35,46,51 Chap 8-4,14,21,32,55
5/12 Chapter 9 Linear Momentum	5/14 **Exam 2** (chap 5-8)	Chap 9- 4,9,11,19,22,67
5/19 Chapter 10 Fixed Axis Rotation	5/21 Chapter 11 Rolling Motion	Chap 10-1,6,19,22,39,44
5/26 Holiday	5/28 Chapter 12 Equilibrium	Chap 11- 15,23,29,33,50
6/2 Equilibrium	6/4 Conclusions	Chap 12- 2,19,23,43,52,59

THE FINAL EXAM IS SCHEDULED FOR Mon. June9, 5:45-7:45

Lecturer: Dr. Jerry Clark, 245F, tentative office hours 2-4 MW
Recitation Instructors: To be announced