

**PHYSICS 244
SPRING QUARTER 2005**

Allen Hunt Fawcett 241 Office Hours: M,W,F 11-12, Th 11:30-12 (all immediately following class)

ORGANIZATION

LECTURE - Lectures are designed to clarify material covered in the text. To derive maximum benefit from the lectures read the assigned material beforehand.

RECITATION – Recitation provides more individualized attention to questions than is possible in lecture. 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.

HOMEWORK: Weekly homework assignments are listed in the schedule. Your solutions, carefully showing how you arrived at your results, are submitted at the start of Recitation. The lowest homework grade will be dropped. Therefore, there will be no late homework accepted. All pages should be stapled together. You may also submit your homework assignment before the start of class to a secretary in the Physics Dept. Office (#248 Fawcett). Don't slide homework assignments under office doors.

LABORATORY - The laboratory is important since experimentation is the ultimate source of all our knowledge, but organizationally (for grading and credit purposes) it is a separate course.

GRADING

EXAMINATIONS - Two exams and a final will be given during the quarter. Short quizzes will be given as scheduled during the quarter. The 5 highest grades will be counted

TOTAL	First Hourly Exam	100 points
SCORE	Second Hourly Exam	100 points
	Comprehensive Final	200 points
	Homework	100 points
	<u>Quizzes</u>	<u>100 points</u>
	Total	600 points

The Final Exam is comprehensive. If for a documented serious reason you miss an examination, you may request special permission to take a make-up examination.

EVALUATION A tentative distribution of grades for the final averaged total scores is given below. This is subject to change.

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

GENERAL COMMENTS - Solutions to homework will be posted 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.

TENTATIVE SCHEDULE FOR PHYSICS 244 SPRING QUARTER 2005

MONDAY	WEDNESDAY	FRIDAY	Homework Assignment
3/28 Chapter 15 Mechanical Oscillations	3/30 Chapter 16 Wave Motion	4/1 Chapter 16 Wave Motion	Chap 15-2,5,6,9,16,24, 33,54,71 Chap 16-3,6,9
4/4 Chapter 17 Sound Quiz 1 (Chap 16)	4/6 Chapter 17	4/8 Chapter 18 Superposition	Chap 16-18,23,24,40,50 Chap 17-31,37,39,40
4/11 Chap 18	4/13 Quiz 2 (Chap 18) Chapter 34	4/15 Chapter 35	Chap 18-8,9,20,43,45,53
4/18 Chapter 36 Light	4/20 Chapter 36 Geometric Optics	4/22 Chapter 37 Quiz 3 (Chapter 36)	Chap 35- 16, 20, 30, 56 Chap 36- 7,8,31,33,55,72
4/25 Chapter 37 Interference	4/27 Chapter 38 Diffraction	4/29 Quiz 4 (Chapter 37) Chapter 38	Chap 37-6,7,32,39,61 Chap 38-6,16,33,36,42
5/2 Exam 1 (chap 15- 18, 35-38)	5/4 Chapter 19 Temperature	5/6 Chapter 20 First Law	Chap 19- 28, 47,50, 54, 55
5/9 Chapter 20 First Law	5/11 Chapter 20 Quiz 5 (Chapter 20)	5/13 Chapter 21 Kinetic Theory	Chap 20-6,18,32,39,43 Chap 21- 18,25,21,31,34
5/16 Chapter 21	5/18 Chapter 22 Second Law Quiz 6 (Chapter 21)	5/20 Chapter 22	Chap 22- 8,11, 31,35, 46,54,
5/23 Chapter 14 Fluids	5/25 Chapter 14	5/27 Quiz 7 (Chapter 14)	Chap 14- 14,27,39,55,71
5/30 Memorial Day	6/1 Exam 2 (chap14, 19-22)	6/3 Review	No homework

THE FINAL EXAM IS SCHEDULED FOR Thurs. June 9, 8:30-10:30, 109 Oelman

Lecturer: Dr. Allen Hunt, 241

Recitation Instructors: Dr. Skinner, Dr. Yan Voon, Dr. Farlow, Dr. Hunt