

assignments help me assess your understanding of the material, and will count toward your final grade. **Late problem sets will not be accepted.** Solution sets will be posted on the class webpage. You are **strongly** encouraged get copies to help you understand how to approach these problems; it will likely help on tests. **Online Assignments (4 questions each)** are emailed to students and are done on WileyPLus to which students are required to subscribe. It is advisable that you use all online resources available through WileyPLus. The WileyPLus account is set up for your Physics 2000. The URL for the students is: <http://edugen.wiley.com/edugen/class/cls84184/> .

Quizzes: At the beginning of each lecture where we discuss a new chapter there will be a 15 min quiz consisting of 10 multiple choice questions from the previous chapter. Note that there will be no quizzes from the chapters 26,27 and 31 that will be studied in the lab.

Exams: A mid-term exam and a comprehensive final exam will be given at the times scheduled on the schedule sheet. The exam problems will be *similar* to those on the homework or worked in class. Length of the exams will be appropriate to the allotted time (provided you are prepared!). All of your work will be carefully examined for full or partial credit, so all work must be shown neatly and logically. Answers without supporting work will be considered incorrect. Equation sheets will be provided on all exams, and will also be offered at the lecture preceding the tests - practice using them as you work problems.

Grades: Grades for the course will be based on each segment of the course according to the following weights:

Online Assignments	10%
Take-home Assignments	5%
Quizzes	5%
Midterm Exam	25%
Labs	20%
Final Exam	35%

Scaled scores for each segment of the course and the final letter grade will be made according to the following guidelines:

A+	92.5-100
A	86.5-92.49
A-	80-86.49
B+	75-79
B	70-74
B-	67.5-69
C+	65-67.49
C	60-64
C-	57.5-59
D+	55-57.49
D	50-54.9
F	0-49

General Advice: Physics is not something you read and memorize, but rather it is something you learn how to do. Try the following study procedure:

1. Read the chapter prior to lecture, so that you will know what it's about.
2. Listen carefully to the lecture and take notes.
3. This is crucial: Do not go back and read and re-read the chapter until you "understand it." Rather, start working problems, going back through the chapter to clarify points as they come up. I suggest you try to answer all "Checkpoint" problems in the text and the questions at the end of the chapter. If you understand these, you've probably understood the salient points of the chapter.
4. Think! Don't simply try to fit the problems into the form of another problem, think through the problem first.

COURSE SCHEDULE

Spring Semester 2009

Note: Chapters 26 (Current and Resistance), 27 (Circuits) and 31 (Electromagnetic Oscillations and Alternating Current) will be studied only during the lab session. However, the review session before the final exam will include problems from these chapters.

Week	Week of	CHAPTERS	TOPICS	QUIZES/ EXAMS
1	January 7	Chapter 21	Electric Charge	
2	January 12	Chapter 21&22	Electric Charge (1 lecture); Electric fields (1 lecture)	Quiz Ch. 21 (Thursday)
3	January 19	Chapter 22	Electric fields	
4	January 26	Chapter 23	Gauss's Law	Quiz Ch. 22 (Tuesday)
5	February 2	Chapters 24	Electric potential	Quiz Ch. 23 (Tuesday)
6	February 9	Chapter 25	Capacitance	Quiz Ch. 24 (Tuesday)
7	February 16		WINTER BREAK	
8	February 23		Midterm Review (Chapters 21,22,23,24,25)	Quiz Ch. 25 (Tuesday)
9	March 2	Chapter 28	<u>Midterm</u> (Tuesday) ; Magnetic fields (Thursday)	Midterm March 3
10	March 9	Chapter 28	Magnetic fields	
11	March 16	Chapter 29	Magnetic Fields due to Currents	Quiz Ch. 28 (Tuesday)
12	March 23	Chapters 30	Magnetic Fields due to Currents (1 lecture); Induction and Inductance (1 lecture)	Quiz Ch. 29 (Thursday)
13	March 30	Chapters 30	Induction and Inductance	
14	April 6	Chapter 32	Maxwell's Equations; Magnetism of Matter	Quiz Ch. 30 (Tuesday)
15	April 13-17		Review for Final Exam	Quiz Ch. 32 (Tuesday)