

PHYSICS 4B SYLLABUS

Fall 2010

MWF 9:00 - 10:45

Instructor: Lauren J. Novatne
Phone Number: 638 - 3641 ext. 3434

****Office hours:** Tu 1 - 2 PM, W & Th 2-3 PM
email: lauren.novatne@reedleycollege.edu

Textbook: “**Physics for Scientists and Engineers with Modern Physics**”, Giancoli, 4th edition, Pearson/Prentice Hall Publishers

Course Objective:

This course covers the topics of thermodynamics, electricity and magnetism.

Students will gain skills in understand the complementary roles of experimental investigation and theoretical explanation in science, apply dimensional analysis to determine the units for an unknown quantity or to check the validity of equations, correctly report the units of an observable when it is measured or calculated and distinguish between important physical observables, such as heat and temperature, electric potential and charge, magnetic poles and electric charge.

Calendar: **Holidays:** Monday September 6th, Thursday November 11th, Thursday and Friday November 25th and 26th

LAST DAY TO DROP THIS CLASS: FRIDAY October 15th. AFTER THAT DATE, I MUST GIVE YOU A GRADE!!

Final Exam: Wednesday December 15th at 9 AM

Homework: Homework: Doing your homework assists you in two ways: 1) it helps you learn the material by practicing problem solving skills, and 2) it lifts your grade. Your homework is 15% of your semester grade. This means that if you get 100% for the other parts of your grade, and don't do any homework, you will get a 'B', not an 'A' for the course. It also means that if you do your homework, and your grade is a 77%, you will get an 'A' in the course, not a 'C'.

Exams: There will be two midterm exams and one final exam. The exams have conceptual questions that are multiple choice in format. There are also some detailed physics problems that will need to be solved. The exams contribute 65% of your semester grade, so they are very important to prepare for. Make up exams are discouraged. If you know that you will not be present in class for a scheduled exam, you must contact me PRIOR to the end of the class session within which the exam is given. Make up exams will be offered only for the occasion of your illness, a jury summons or an emergency (such as an auto accident). Otherwise, you will not be offered a make up exam.

There are occasionally some quizzes given in class, some are announced, and others are not. If you do not communicate with me *PRIOR TO THE END OF THE CLASS MEETING TIME* that you are not going to be present in class, then you will receive a score of ZERO for that quiz, and **you will not be able to make up the quiz**. You may inform me in person, by phone (leave a message on my voice mail if I don't answer the phone), or by email. **Sending a message through a classmate or friend disqualifies you from the exemption.** This is YOUR grade, so YOU must communicate with me regarding your ability to be present. **I do NOT want to know why you will miss class - just that you will not be present.**

Laboratory: This class has a lab that is mandatory. There will be lab reports due at the end of each session. The reports will constitute 15% of your semester grade.

Participation: There are in-class activities that are graded on your participation. These activities are varied in type, and include computer simulations, problem solving sessions, and other activities that are designed to assist you in learning physics as well as assisting me in determining how well you are learning the material. Participation accounts for 10% of your grade, so it is important that you are in class **AND** participate.

Grading Policy:	90 - 100%	A		
	80 - 89%	B	Exams	65%
	65 - 79%	C	Homework	15%
	55 - 64%	D	Labs	10%
	0 - 54%	F	Participation	10%

If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the rehabilitation Act, please contact me as soon as possible.