

Physics 4C SYLLABUS

- Schedule # 52051 Spring 2018
- Lecture classes are: MW 9:00 - 10:50 AM
- Lab class is: Friday 9:00 - 10:50 AM

Contact Information:

- Instructor Name: Lauren J. Novatne
- Phone Number: 638 - 3641 ext. 3434
- Email: lauren.novatne@reedleycollege.edu

Office hours:

- Tuesday 9:00- 10:00 AM Virtual Office Hour via email
- Wednesday 11 to 12:40 AM

Required Course Materials:

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

Course Objective:

This course covers the topics of electric circuits, electromagnetic waves, optics and modern physics.

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 current, voltage, resistance, capacitance, E&M waves, object and image distances in ray optics, magnification, and suitable parameters in the chosen modern optics topics.

Calendar:

- Holidays: Monday January 15th, Friday February 16th and Monday February 19th, March 26th - 29th
- May 14th - 18th Final Exams

- **LAST DAY TO DROP THIS CLASS: FRIDAY March 9th. AFTER THAT DATE, I MUST GIVE YOU A GRADE!!**

- **Final Exam: Wednesday May 16th at 9 AM in PHY 70 - the room where the class is held.**

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 activities and 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 activity or 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.** You will only be able to use three "passes" for the entire semester. After you use up your three passes, you will receive zero points for your absence.

Laboratory:

This class has a lab that is mandatory. There are lab reports that will be mostly provided for you. You will turn them in when they are 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 **15%** of your grade, so it is important that you are in class **AND** participate. If you don't participate, you don't get the points just for being in class.

In class problem solving:

There will be many in class problem solving sessions instead of homework assignments. The problems will be posted before the in class problem solving session, to allow you time to prepare. Copying the instructor solution's manual will not get you the points. You will be graded on what is observed while you are in class. The problem solving sessions will be worth 5% of your grade.

Grading Policy:

% Grade for the Class	Letter Grade For the Class		Category of classwork	% of Class Grade
90 - 100 %	A		Exams	65%
80- 89 %	B		In class problem solving sessions	15%
65 - 79 %	C		Lab Reports	10%
55 - 64 %	D		Participation	10%
0 - 54 %	F			

Accessibility Accommodation

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.