

COURSE INFORMATION	Lecture Location:	SCI 126
	Lecture Times:	MWF 11:00 – 11:50
	Instructor:	Dr. Karl Frinkle
	Office:	MTH 112
	Office Hours:	MW 13:00 – 14:30, TR 11:00 – 14:00
	Office Phone:	(580) 745 – 2028
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TEXT *Sears & Zemansky's College Physics* (9th edition), H. Young, ISBN-10 # 0321733177

COURSE OVERVIEW In this course, we will cover many topics related to electricity, magnetism, relativity and atomic structure.

As a general education course, this course will satisfy the goals of science reasoning and critical thinking. The goal of the science reasoning component of general education is to promote scientific literacy in students, while the goal of the critical thinking component of general education is to enhance the ability of students to integrate new information with previously acquired information to solve novel complex problems.

COURSE OUTLINE We will cover most, if not all, of the topics from chapters 17 through 30, which covers the major themes of electromagnetism.

COURSE WORK You will be expected to read the material for each day's lecture in advance. **Reading quizzes** will be given each day at the beginning of class over this material. See the *schedule.pdf* document on the website for a breakdown on when we will cover specific sections. In addition to reading comprehension questions, there may be problems based on material we have already covered. Quizzes count for 20% of your final grade.

**Homework** for each section will be assigned the day that the section is covered. You will have exactly one week to finish and hand it in. The problems for each section can be found in the *schedule.pdf* document, and are found in the text at the end of each chapter. All of the homework assignments will add up to 25% of your final grade.

You should also be registered for the 1 credit hour **lab section** Physics 1214L, which accompanies this course. Lab work will count for 25% of your final grade. For each lab session, you will be expected to: (1) Attend for the entire period, or until lab is complete, (2) Not violate lab rules, (3) Complete the experiment to the best of your abilities, (4) Show all work and calculations, (5) Type up each lab in a scholarly manner, insuring that your name is on all work. Points are deducted for failure to contribute to the lab, for copying results, or for sloppy work.

There will be no chapter exams, only a **midterm exam** and a **cumulative final exam**. The final exam will be on the designated final exam day, Wednesday, May 8th from 11:00-13:00. The midterm and final exam will each count for 15% of your final grade.

## GRADES

Your final grade will be based upon the following items

- 20% - Reading/Problem Quizzes - given at the beginning of each class meeting
- 25% - Homework - to be handed in on a regular basis
- 25% - Lab work - attending and writing up lab experiments
- 30% - Exams - exam covering all of the material from the semester

## POLICIES

Cheating will not be tolerated in any shape or form. If you are caught cheating, it will be reported to the appropriate academic offices, and appropriate action will be pursued.

All cell phones, pagers, CD/MP3 players, laptops, calculators and other such devices must be turned off and put away before class begins. If you are caught using a cell phone or any other electronic device during class, your final grade will be dropped by **one letter grade per incident**.

It is also expected that everyone will behave in a kind and courteous manner towards fellow students and the instructor.

I reserve the right to change any policies as I see fit to ensure that you are indeed receiving the best possible education that I can give you in the subject matter at hand. If I feel a certain aspect of the course does not appear to be effective in its method, I will attempt to change it (for the better I hope).

## IMPORTANT DATES FOR SPRING 2013

- 2013.01.14 - Classes begin
- 2013.01.16 - Last day to enroll in or add classes
- 2013.01.18 - Last day to drop a class with no grade record
- 2013.01.18 - Last day to drop a class with refund/no charges
- 2013.03.08 - Last day to drop a class with automatic W
- 2013.04.01 - Last day to complete final application for graduation
- 2013.04.26 - Last day to drop a class
- 2013.05.13 - Classes end

## SPECIAL ACCOMMODATIONS

Any student needing special accommodations due to a disability should contact the Coordinator of Student Disability Services, Student Union, Suite 204 or call (580) 745-2254 (TDD# 745-2704). It is the responsibility of each student to make an official request for accommodations to the Coordinator. For additional information, see the Americans with Disability Act on the Southeastern Online Learning website or <http://www.se.edu/ada/>

## AT-RISK STUDENTS

Any student experiencing mental or emotional issues who desires free, confidential, clinical counseling is encouraged to contact the SE Counseling Center at (580) 745-2988 to schedule an appointment during normal working hours Monday - Friday, 8:00 AM to 5:00 PM. For after hours mental health emergencies, please call SE Campus Police at (580) 745-2911 or the Mental Health Crisis Hotline at 1-(800) 522-1090.