Spring 2010	College Physics	Phys 104

Syllabus

Course Objectives

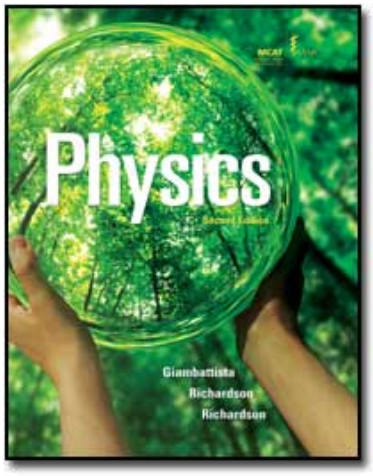
Physics 104 is the second half of a two-semester course that provides an introduction to the principles of physics using algebra and trigonometry. Topics covered in the Spring semester include electricity, magnetism, optics, nuclear physics and modern physics.

Course Faculty

Section	Phys 104a MWF 8:30	Phys 104b MWF 10:50
Professor	Dr. Aileen O'Donoghue	Dr. Catherine Jahncke
Office phone	X5470	X5496
Office	Bewkes 220	Bewkes 225
Email	aodonoghue@stlawu.edu	cjahncke@stlawu.edu
Office Hours	Posted on door	MW 4:15-5; H 10:00-12:00; T by appointment
Course Website	http://myslu.stlawu.edu/~aodo/SLU/physics/104/104Spring10.html	Please register for this class on ANGEL http://angel.stlawu.edu

Course Requirements

The requirements for this course will consist of weekly homework assignments, in-class exercises, quizzes, three in-class exams, a final exam, and laboratory work.



Each class

The topics covered each week are listed in the Course Schedule. Our text is *Physics 2nd Ed.* by Giambattista, Richardson and Richardson. Announcements and course material will be found on the course websites.

Clickers: We will be using RF clickers extensively during the lectures for evaluation and polling; these can be purchased at the College Bookstore, or re-used from a previous class. Instructions on registering clickers can be found on the course website. We will test our clicker registration during the second class, and students with clickers that are not properly registered will be notified; after that, no further notification will be given about unregistered clickers. Clicker answers count as part of your course grade as described below.

Reading Assignments: Students are expected to have read the relevant textbook section listed in the Course Schedule prior to coming to class. A clicker question about the day's reading may be asked at the beginning of class.

Spring 2010 | College Physics | Phys 104

Syllabus

Laboratory: The laboratory is required, and scheduling conflicts should be discussed with one of the instructors before lab meets. Your lab grade is averaged with your class grade as described below. Failure to pass the lab will result in failure in the course. Please read the lab handouts prior to lab, which can be found here: http://it.stlawu.edu/~physics/labs/104_lab/104lab.shtml. Material covered in lab will be asked on exams and quizzes.

Homework: Homework is assigned weekly on Mondays and is divided into two steps.

Step 1: The first step requires you to attempt every single problem, and it is due on the following Monday morning before 8:30AM. (think Sunday at mid-night of you're not an early morning person). Please hand this into an envelope outside the office door. This first part will be graded on as described in the table below. Step one will be returned to the folder outside the office on Monday by 4:15 at the latest and the solutions to the problem set will be made available on the course website. Leave room for corrections!

Step 2: Using another color writing utensil, you can make your own corrections to your first attempt with the help of the solution set. Don't just copy! These are due at the beginning of class on Wednesday.

The lowest 2 homework assignment grades will be dropped. In the case of a known absence, homework can be turned in by another student or to the instructor before class.

	due	Category	pts
Step 1	Monday	Attempt made	2
		Correct Laws identified and used	2
Step 2	Wednesday	Necessary corrections made	3
		Shows comprehension of solution	3

Quizzes: Friday quizzes will be on material covered in the previous week in lecture and lab. The lowest two quiz grades will be dropped.

During the semester

Exams: There will be three in-class exams covering the material completed before each exam in lecture, homework and lab. Half of the lowest exam grade will be dropped. The final exam will be cumulative, but will concentrate on the chapters that have not been tested.

Homework	10%
Clickers	5%
Quizzes	10%
Laboratory	20%
In class exams	30%
Final Exam	25%

Grading:

The final grade will be determined by the following scale:

4.0	3.75	3.5	3.25	3.0	2.75	2.5	2.25	2.0	1.75	1.5	1.25	1.0	0.0
94 - 100%	91-93.9%	88-90.9%	85-87.9%	82-84.9%	79-81.9%	76-78.9%	73-75.9%	70-72.9%	67-69.9%	64-66.9%	61-63.9%	60-61.9%	below 60 %