

Fall
2009

College Physics
Dr. Catherine Jahncke

Phys 103b: 10:50 MWF
St. Lawrence University

Syllabus

Course Objectives

Physics 103 is the first half of a two-semester course that provides an introduction to the principles of physics using algebra and trigonometry. Topics covered in the Fall semester include mechanics, wave phenomena, and fluids. The Spring semester will be devoted to topics in electricity and magnetism, optics, and modern physics.

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.

Contact Information:

225 Bewkes Hall

Office Phone: x5495

Email: cjah@stlawu.edu

Office Hours:

Mon 2:15-4:15 pm

Thurs 2:15-4:15 pm

Or come find me Or make an appointment

Each class

Our lecture class meets MWF from 10:50 to 11:50 AM in Valentine 204. Topics covered each week are listed in the Course Schedule. Our text is *Physics 2nd Ed.*

by Giambattista, Richardson and Richardson.

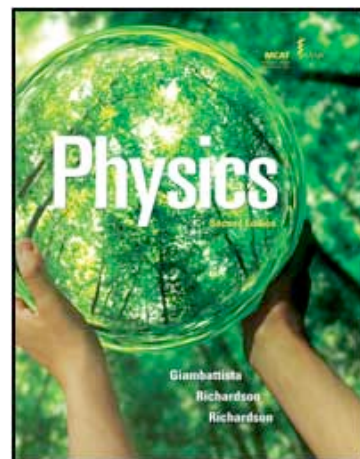
Please register for this class on ANGEL, which will be used for announcements and course material distribution. <http://angel.stlawu.edu>.

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 ANGEL. 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 will be asked at the beginning of class.

Each Class

Laboratory: The laboratory is required, and scheduling conflicts should be



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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/103_lab/103lab.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 9:40AM (think Sunday at mid-night of you're not an early morning person). Please hand this into an envelope on my office door (Bewkes 225). This first part will be graded on your attempt to answer each question. These are returned during class on Monday and the solutions to the problem set will be made available on Angel. 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.

Grading:

The final grade will be determined by the following scale:

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

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 %