

PHYS096, Department of Physics, University of Vermont, USA.

Room: E330

Pre-requisite or co-enrollment: Physics013

Lab Instructor: Dr. Varuni Seneviratne vsenevir@uvm.edu

Room E237

Office hours To be announced

Class time and Venue: Tuesday 4:25 p.m. to 5:40 p.m. at INNOVATION E330

Teaching Assistants: To be announced

Course Objective:

" 3 \$ Q R U P D O S H U V Experiment, Hands-on, and Projects Steven Magee

This course provides opportunities for hands-on investigation of the concepts and ideas of an introductory physics course focused on Mechanics, Electromagnetism, Optics and some

will have until Friday to finish up your reports, which you will submit your reports via Blackboard by Friday midnight. Lab times are for working on your Physics096 labs and project. There is no lab in the first week.

You are encouraged to discuss and collaborate with

Academic Integrity).

You should exit the course with a more solid understanding of physics and the world around you; and with a greater dexterity in applying physics concepts and calculating expected outcomes.

Physics013 is a separate class from

will need certain equipment for recording and reviewing videos of your experiments. A cell phone or laptop camera will be fine for shooting videos. You will need a computer to run software, write up your reports, and do video analysis.

Tentative Semester Plan

Week	Lab	Due Day Friday of the Week
1	No Lab	
2	Motion Curves lab	
3	Momentum lab	
4	Preparation for PHYS013 (optional)	
5	Mapping E fields and equipotential surfaces lab	
6	Magnetism lab	
7	Induction lab	
8	Standing waves lab	
9	Color lab	
10	Spring Break	
11	Telescope lab	
12	Radioactivity lab	
13	Relativity lab	
14	Preparation for PHYS013 (optional)	
15	Preparation for PHYS013 (optional)	
There is no final exam for Physics 096		

Attendance:

Attendance at activity sessions is required. Not attending will negatively impact your grade. If you anticipate that you will be unable to attend your regularly scheduled lab, you must reschedule it with Dr. Seneviratne at least one week prior to the lab that you will miss. If you miss a lab due to unforeseeable circumstances beyond your control, (such as serious personal illness or a death in the family) contact Dr. Seneviratne as soon as possible. Be prepared to provide documentation of the reason why you were unable to attend at the regular time.

Prerequisites:

This laboratory course is designed to accompany Physics 096. Students registered in Physics 096 must be enrolled in Physics 096 or have previously completed Physics 096 labs. Physics 096 labs require a background knowledge that is best gained from concurrent enrollment in, or previous completion of, the accompanying lecture course Physics 096. For this reason, students who withdraw from Physics 096 during the add/drop period should withdraw from Physics 096 or risk being disenrolled.

Students withdrawing from Physics 096 after the end of the Add/Drop period may remain enrolled in Physics 096 Laboratory, but are expected to independently continue their study of the Physics concepts relevant to each laboratory experiment. Failure to do so may seriously jeopardize their chances of successfully completing Physics 096.

Reminder: Add, Drop or Section Changes must be done using the UVM Registrar's web page, or directly through the Registrar's office.

All of the TAs and Instructor for Physics 096 will have office hours. We strongly encourage you to attend, especially if you are feeling stuck or frustrated.

Grading:

Letter grades will be assigned to final course percentages as follows:

\$ VWDWL VWLFD O VFDOH PD\ EH XVHG the scale below WUXFWRU V MXGJP

Letter Grade	Numerical Grade
A+	97-100
A	93-96
A-	90-92
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
D+	67-69
D	63-66
D-	60-62
F	<60

The grading for Physics 096 is independent of the grading of Physics 13.

There will be no final examination in Physics 096

Lab Reports

Labs are due on Friday after the week's activities.

Your reports will be docked 5 points for every day (partial or full) it's late. Will start reducing soon after mid night Friday.

Accommodations:

In keeping with University policy, any student with a documented disability interested in utilizing accommodations should contact [Student Accessibility Services](#)

They work with students to create reasonable and appropriate accommodations via an accommodation letter to their professors as early as possible each semester.

Contact:

A170 Living/Learning Center

802-656-0739

access@uvm.edu

Sexual Assault, Relationship Violence, Harassment, and/or Discrimination Disclosure:

All course instructors (including graduate and undergraduate students hired for the course) are "Responsible Employees" or mandatory reporters, meaning we are responsible for reporting to the Title IX Coordinator instances of sexual assault, intimate partner violence, harassment, and discrimination disclosed to any of us, including the name of the person that disclosed the information, for institutional review. If you would like to speak confidentially with someone (i.e., someone not required to make a report for institutional review), you may contact the following resources directly for support: Campus Victim's Advocate, UVM Counseling & Psychiatry Services, and the Student Health Center. These resources are also listed at https://www.uvm.edu/aaeo/sources_links