Physics 22 is a one-credit accompaniment to Physics 12. It will be a combination of small assignments, a multi-week investigation, and a research project. You are also encouraged to get help with your Physics 12 material.

Lab Oversight:
Dr. Donforth
E-mail: ldonfort@uvm.edu

Your lab instructors will be graduate students running the course, but you may reach out to Dr. Donforth if you have questions or concerns you can't resolve with the graduate TAs.

Course Format:

There is one seventy-five minute session per week, held in Innovation E330 (same room as Physics 12). Attendance during activities is required.

Physics 22 uses the Blackboard to deliver course resources and for you to submit your assignments. We will NOT have a physical lab manual for Physics 22, the information you need to complete your labs is published on the Blackboard course page.

To log on to blackboard, go to https://myuvm.uvm.edu and enter your net ID and password. Once you've logged in there, select Blackboard from the top row of icons; then select Physics 22 from your courses.

Prior to class, review information about the day posted on Blackboard.

You should either bring a laptop computer to lab to review the lab instructions as needed during the experiment, or prepare sufficient notes to be able to complete the experiment on your own. Computers will not regularly be available for Physics 22.

Any reports for class will be submitted via the Report Dropbox in Blackboard (in the menu on the left). It is the intention of the activities that, with sufficient preparation before class, you'll be able to mostly or completely finish the activities during class time.

There is no final exam in Physics 22.

Required Course Materials:

There is not a lab manual for Physics 22. Review the material online ahead of time, and either bring a laptop or your own notes for completing the experiment. You should have a notebook or digital device for taking additional notes in lab. Carbon-copy notebooks or such are not required, all of your submissions are online.
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. Donforth 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. Donforth as soon as possible. Be prepared to provide documentation of the reason why you were unable to attend at the regular time.

Note, all sessions of Physics 22 are on the same day; there are not other days to attend. You must also go to section you’ve enrolled in, to work with your group.

Prerequisites:

This laboratory course is designed to accompany Physics 12. Students registered in Physics 22 must now be enrolled in Physics 12 or have previously completed Physics 12 or Physics 125. Physics 22 labs require a background knowledge that is best gained from concurrent enrollment in, or previous completion of, the accompanying lecture course Physics 12. For this reason, students who withdraw from Physics 12 during the add/drop period should withdraw from Physics 22 or risk being disenrolled.

Students withdrawing from Physics 12 after the end of the Add/Drop period may remain enrolled in Physics 22 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 22.

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

Evaluation:

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

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Students who are concerned about their performance in the course are encouraged to discuss the matter with Dr. Donforth. Please note that the last day to withdraw from courses comes around the end of March.

The lab grade for Physics 22 is independent of the lecture grade for Physics 12.
**Academic Integrity:**

Students are expected to comply with the University's Code of Academic Integrity. Please consult the website of the “Center for Student Ethics & Standards” for details. In addition to the matters described there, please note that it is a serious offense to submit a report, or use data, from an experiment in which you did not actively participate. If you previously took this or another physics course, you are still expected to take data this semester and base your reports of your experience this term.

Cooperation with laboratory partners is encouraged during the setting up and data gathering parts of each experiment, but your analysis, conclusions, and write-up must be your own individual work.

**Note, if you provide your work to another student and they submit it; you have both participated in the act of collusion, a violation of the Code of Academic Integrity. Write your own lab reports.**

**Religious Accommodation:**

Students have the right to practice the religion of their choice. To facilitate that, students who anticipate religious holidays conflicting with their course work must submit in writing to their instructors by the end of the second full week of classes their documented religious holiday schedule for the semester. If you miss work for the purpose of religious observance, you will have the opportunity to make up this work. You must coordinate making up the work before the holiday.

**Student Accessibility Services**

In keeping with University policy, any student with a documented disability interested in utilizing accommodations should contact the Center for Student Success. Student Accessibility Services works with students and faculty in an interactive process to explore reasonable and appropriate accommodations, which are communicated to faculty in an accommodation letter. All students are strongly encouraged to meet with their TA, the lab coordinator, and the course instructor to discuss the accommodations they plan to use in each course. A student's accommodation letter lists those accommodations that will not be implemented until the student meets with their faculty to create a plan. Begin the process at: A170 Living/Learning Center; 802-656-7753; access@uvm.edu; or https://www.uvm.edu/academicsuccess/student_accessibility_services.
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/resources_links](https://www.uvm.edu/aaeo/resources_links).

Safety is a priority in these labs. Negligent or deliberate misuses of the equipment will not be tolerated, and may result in an F for the assignment or entire course.