

# Physics 12A, Elementary Physics (4 credits)

UVM Physics Department – Spring 2023

## Class schedule:

Lecture: MWF 1:10-2:00 AND T 1:15-2:30 in Innovation E330

**TAs:** there are multiple TAs for the course and the different sections, and you can go to any TA office hours. Please check the course Blackboard page for information about TA office hours.

**Pre-requisites:** Algebra and Trigonometry

**Education requirements**

This course will meet for three 50-minute classes per week on Mondays, Wednesdays, Fridays and one 75-minute meeting on Tuesdays. This course is run as a student and group-centered active learning format where students will be expected to prepare for each class period by reading assigned sections from the textbook and other pre-

## Required Course Materials:

## Grading Criteria & Policies:

Each student will receive a total grade based on the grades of the exams, homework, pre-lecture, and in-class assignments. The individual components will be scaled and converted to letter grades according to:

**Mid-terms 33%** (11% each). See schedule on syllabus first page.

**Pre-lectures: 9%**. See schedule on Mastering Physics.

**In-class: 26%**. Daily. Run via Learning Catalytics.

**Homework 16%**. See schedule on Mastering Physics.

**Final: 16%**. See schedule on sTT1 1 kc -21.3.I 1 kc -T0 0 Tc 14.2chedu



During the daily sessions, we'll cover material in discussion, group problem-solving, conceptual analysis, and lecture. A portion of your final grade is contingent on your participation in these sessions. You should read the pertinent sections of the textbook before coming to class, to be well prepared to participate in the discussions and problem solving. We will work together to develop a learning community that is inclusive and respectful; and that encourages and appreciates expressions of different ideas, opinions, and beliefs in the spirit of Our Common

## Attendance and illness:

If a student will not be able to attend in-person classes for qualifying health reasons, Student Health Services (SHS) will send a notification to the appropriate student services office or designated staff member informing them of this along with the dates the student is unable to attend. The SHS notification will specify whether the request for flexibility is only around in-person class attendance or includes additional flexibility for assignments and tests because the student is too ill to participate. Students are responsible for working with their faculty to make up class content and work they miss due to a documented illness.

## Lived Name and Pronoun Information

The UVM Directory includes fields for indicating your lived name and your pronouns. Lived names (preferred names, names in use) are names that an individual wants to be known by in the University community. Entering your pronouns is strongly encouraged to help create a more inclusive and respectful campus community. To update your information, login to the UVM Directory. A preview box will allow you to see how this information will appear in other systems used on campus such as Microsoft Teams and Blackboard.

More information about how to make changes to your lived name and pronouns is available in the [Knowledge Base](#).

To read more about official UVM policies, events, and initiatives regarding diversity, equity, and inclusion: <https://www.uvm.edu/diversity>

## Sexual Assault, Relationship Violence, Harassment, & 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 names of the person that disclose 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 Advocacy](#)

[HOPE Works](#)

[UVM Counseling & Psychiatry Services](#)

[Student Health Center](#)

[UVM's Affirmative Action and Equal Opportunity Office](#)

## Course Evaluation:

All students are expected to complete a **mid-term** evaluation and final evaluation of each course they are enrolled in. Indicate that the evaluations will be anonymous and confidential, and that the information gained, including constructive criticisms, will be used to improve the course.

[Click here for instructions on how to access Blue course evaluations.](#)

## Student Learning Accommodations:

In keeping with University policy, any student with a documented disability interested in utilizing ADA accommodations should contact Student Accessibility Services (SAS), the office of Disability Services on campus for students. SAS 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 recommended to discuss with their faculty the accommodations they plan to use in each course. Faculty who receive Letters of Accommodation with Disability Related Flexible accommodations will need to fill out the Disability Related Flexibility Agreement. Any questions from faculty or students on the agreement should be directed to the SAS specialist who is indicated on the letter.

### Contact SAS:

A170 Living/Learning Center;

802-656-7753

[access@uvm.edu](mailto:access@uvm.edu)

[www.uvm.edu/access](http://www.uvm.edu/access)

## Research and Citation Help

For help selecting research topics, finding information, citing sources, and more, ask a librarian. The UVM Libraries are eager to help. You may ask questions by phone, e-mail, chat, or text, or make an appointment for an individual consultation with a librarian.

Howe Library: <https://library.uvm.edu/askhowe>

Dana Medical Library: <https://dana.uvm.edu/help/ask>

Silver Special Collections Library: <https://specialcollections.uvm.edu/help/ask>



**Regarding potential changes during the semester:**

<http://catalogue.uvm.edu/>

The University of Vermont reserves the right to make changes in the course offerings, mode of

The University [final exam policy](#) outlines expectations during final exams and explains timing and process of examination period.

### **Grade Appeals:**

If you would like to contest a grade, please follow the procedures [outlined in this policy](#).

### **Grading:**

[This link](#) offers information on grading and GPA calculation.

### **Religious Holidays:**

Students have the right to practice the religion of their choice. If you need to miss class to observe a religious holiday, please submit the dates of your absence to me in writing by the end of the second full week of classes. You will be permitted to make up work within a mutually agreed-upon time. The complete policy is [here](#).

### **Promoting Health & Safety:**

The University of Vermont's number one priority is to support a healthy and safe community:

[Center for Health and Wellbeing](#)

[Counseling & Psychiatry Services \(CAPS\)](#) Direct Phone Line: (802) 656-3340

**C.A.R.E.** If you are concerned about a UVM community member or are concerned about a specific event, we encourage you to contact the Dean of Students Office (802-656-3380). If you would like to remain anonymous, you can report your concerns online by [visiting the C.A.R.E. Team website](#).

### **Food Insecurity:**

The UVM Center for Health & Wellbeing provides several on- and off-campus resources for students struggling with food insecurity: <https://www.uvm.edu/health/food-insecurity-uv>

## Statement on Alcohol and Cannabis in the Academic Environment

As a faculty member, I want you to get the most you can out of this course. You play a crucial role in your education and in your readiness to learn and fully engage with the course material. It is important to note that alcohol and cannabis have no place in an academic environment.