

**SYLLABUS****Introduction to Physics 1 (0110)****INSTRUCTOR:****Hanna Salman**Office: <https://pitt.zoom.us/j/91354698470>e-mail: [hsalman@pitt.edu](mailto:hsalman@pitt.edu)

Office hours: Tuesday &amp; Thursday 1:00 – 2:00 pm (or by appointment)

Lectures: Tuesday &amp; Thursday 2:30 – 3:45 pm 343 Alumni Hall

Zoom link: <https://pitt.zoom.us/j/94497171908> (For the first 2 weeks only)

Passcode: FallPh0110

**TEACHER ASSISTANT:****Francis Burk**e-mail: [frb25@pitt.edu](mailto:frb25@pitt.edu)Office: <https://pitt.zoom.us/j/3088362669>

Office hours: Monday and Thursday 1:00 – 2:00 pm

**TEACHER ASSISTANT:****Mykola Chernyashevsky**e-mail: [myc21@pitt.edu](mailto:myc21@pitt.edu)Office: <https://pitt.zoom.us/j/98491224652>

Office hours: Monday 9:00 am – 1:00 pm

**TEACHER ASSISTANT:****Zehua Wang**e-mail: [ZEW23@pitt.edu](mailto:ZEW23@pitt.edu)Office: <https://pitt.zoom.us/j/98776603992>

Office hours: Friday 3:00 – 5:00 pm

**RECITATIONS:**

Class #	Time	Location	TA
16581	T 12:00-12:50 pm	11 Thaw <a href="https://pitt.zoom.us/j/95391859245">https://pitt.zoom.us/j/95391859245</a> Passcode: PHYSICS110	Burk
10573	T 1:00-1:50 pm	11 Thaw <a href="https://pitt.zoom.us/j/95391859245">https://pitt.zoom.us/j/95391859245</a> Passcode: PHYSICS110	Burk
10282	T 4:00-4:50 pm	105 Allen <a href="https://pitt.zoom.us/j/99320967697">https://pitt.zoom.us/j/99320967697</a> Passcode: 0110	Wang, Z.
32058	T 5:00-5:50 pm	106 Allen <a href="https://pitt.zoom.us/j/99320967697">https://pitt.zoom.us/j/99320967697</a> Passcode: 0110	Wang, Z.
32059	T 6:00-6:50 pm	105 Allen <a href="https://pitt.zoom.us/j/99320967697">https://pitt.zoom.us/j/99320967697</a> Passcode: 0110	Wang, Z.
10283	H 12:00-12:50 pm	11 Thaw <a href="https://pitt.zoom.us/j/95391859245">https://pitt.zoom.us/j/95391859245</a> Passcode: PHYSICS110	Burk
15277	H 1:00-1:50 pm	11 Thaw <a href="https://pitt.zoom.us/j/93693089053">https://pitt.zoom.us/j/93693089053</a> Passcode: phys0110	Chernyashevsky
10284	H 4:00-4:50 pm	105 Allen <a href="https://pitt.zoom.us/j/93693089053">https://pitt.zoom.us/j/93693089053</a> Passcode: phys0110	Chernyashevsky
24670	H 5:00-5:50 pm	105 Allen <a href="https://pitt.zoom.us/j/93693089053">https://pitt.zoom.us/j/93693089053</a> Passcode: phys0110	Chernyashevsky

## COURSE DESCRIPTION:

This course is the first half of a two semester, algebra based introductory physics course. The second half is Physics 0111, Introduction to Physics 2. You will have to complete this course with a C or better before you are able to enroll in the second course Phys 0111. The goal of the course is to learn physics and to develop the skills of critical thinking and problem solving.

## TENTATIVE SCHEDULE:

• Kinematics and vectors (chapters 1 – 3)	Week 1 – 3
• Forces and Newton's Laws (chapters 4 – 6)	Week 3 – 5
• Work and Energy (chapter 7)	Week 6 – 7
• Momentum (chapter 8)	Week 8
• Torque and Angular Dynamics (chapters 9 – 10)	Week 9 – 10
• Oscillatory Motion (chapter 16)	Week 11
• Waves and Sound (chapters 16 – 17)	Week 12 – 13
• Fluids (chapters 11 – 12)	Week 14 – 15

## TEXTBOOK:

Openstax's "College Physics".

Suggested Alternative book: "Physics", by Cutnell and Johnson.

## HOMEWORK:

Homework assignments will be done online using Achieve or Macmillan Learning. You will need to register and then you will have access to the homework assignments.

Instructions for getting started can be found here:

<https://macmillan.force.com/macmillanlearning/s/article/Achieve-Getting-Started-Guide-for-Students>

Instructions for registration can be found here:

<https://macmillan.force.com/macmillanlearning/s/article/Students-Register-for-Achieve-courses-via-your-school-s-LMS?r=36&ui-knowledge-components-aura-actions.KnowledgeArticleVersionCreateDraftFromOnlineAction.createDraftFromOnlineArticle=1>

You can also access Achieve and register through Canvas. The link can be found in the "Macmillan Learning".

The homework will be graded automatically by the website. You need to complete 10 assignments in order to receive a full (100%) grade for the homework part of the final grade.

The solution of each assignment will be posted on the same website after you finish each assignment.

## EXAMS:

There will be 2 exams during class hours that together will make 70% of the final grade.

Exam 1            Tuesday October 12

Exam 2            Thursday December 9

## FINAL GRADE:

Your final grade will be made of the following:

Online homework assignments	30%
Exam 1	30%
Exam 2	40%

## Grade conversion:

100	A+
94 – 99	A
90 – 93	A-
87 – 89	B+
84 – 86	B
80 – 83	B-
76 – 79	C+
70 – 75	C
68 – 69	C-
65 – 67	D+
62 – 64	D
60 – 61	D-
<59	F

**STUDY ASSISTANCE:**

Students who need additional help are **strongly encouraged** to see the lecturer or their recitation instructor during their regular office hours or make an individual appointment at a mutually convenient time.

The Department of Physics and Astronomy provides free assistance for all students. The Physics Help Room (<http://www.physicsandastronomy.pitt.edu/resource-room>), located in Thaw 312, is staffed with TAs who can help with homework problems and explain basic concepts. This is a free service, and you are encouraged to use it.

**Tutoring Services**

The ARC's peer tutoring services offer free tutoring to all students enrolled in Physics 174 & 175. The center is open Monday through Friday from 9am to 4pm. Tutoring sessions are generally one hour long, and students are encouraged to make an appointment in advance. To schedule a one-on-one appointment, call 412-648-7920, or stop by the tutoring office at G-1 Gardner Steel Conference Center. Drop-in tutoring is also available on the ground floor of Hillman library. There is no limit to how many hours of drop-in tutoring you may use. For the drop-in tutoring schedule and more information about other services, please visit the ARC website.

**GRADE CHANGE POLICY:**

Grade cutoffs are chosen to be as fair as possible but ultimately the line has to be drawn somewhere and it has to be drawn straight. Extra credit opportunities will not be offered to individual students. Once your final grade for the semester has been submitted to the Registrar it will not be changed unless there is a verifiable error in the grade book, such as a missing grade or a grade that was entered incorrectly. You can check all your course grades at any time on Canvas.

**ACADEMIC INTEGRITY:**

All students are expected to adhere to the standards of academic honesty. Any student engaged in cheating, plagiarism, or other acts of academic dishonesty would be subject to disciplinary action. Any student suspected of violating this obligation for any reason during the semester will be required to participate in the procedural process, initiated at the instructor level, as outlined in the University Guidelines on Academic Integrity (<http://www.provost.pitt.edu/info/acguidelinespdf.pdf>). This may include, but is not limited to the confiscation of the examination of any individual suspected of violating the University Policy.

**DISABILITY SERVICES:**

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Office of Disability Resources and Services (DRS), 216 William Pitt Union, (412) 648-7890 (<https://www.studentaffairs.pitt.edu/drs/about/>), as

early as possible in the term, DRS will verify your disability and determine reasonable accommodations for this course.

**STATEMENT ON CLASSROOM RECORDING:**

To ensure the free and open discussion of ideas, students may not record classroom lectures, discussion and/or activities without the advance written permission of the instructor, and any such recording properly approved in advance can be used solely for the student's own private use.

**CODE OF CONDUCT**

Communication is key to a productive learning environment, and we can maintain productive communication by exhibiting respect for one another. The success of the course for yourself and others depends on all of our commitment to behavior that demonstrates respect for differences, understanding towards others and a willingness to listen and learn. For these reasons, it is unacceptable to harass, discriminate against, or abuse anyone because of race, ethnicity, gender, disability, religious affiliation, sexual orientation, or age. If you witness or are subject to such harassment, please report it to the instructor or to the [Office of Diversity and Inclusion](#).

**TITLE IX**

Legal text: *"No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance."*

As a professor I am a mandatory reporter, and I am required to report violations of Title IX that I observe or am made aware of to the [Title IX office](#). Title IX violations include, but are not limited to, sexual harassment, sexual violence and verbal or sexual abuse. Within the classroom, behavior in violation might appear as: suggestive jokes or innuendos, inappropriate touching, and unwanted sexual behavior or advances, but **my capacity and obligation to report does not end at the classroom.**

**Note: Updates and additional notes will be posted on the Canvas.**