Spring Term 2022

SYLLABUS
Introduction to Physics 2 (0111)

INSTRUCTOR: **Hanna Salman**
Office: https://pitt.zoom.us/j/91354698470
e-mail: hsalman@pitt.edu

Office hours: Monday & Wednesday 1:30 – 2:30 pm (or by appointment)
Lectures: Monday, Wednesday & Friday 12:00 – 12:50 pm 343 Alumni Hall
Until January 26th, lectures via zoom: https://pitt.zoom.us/j/91615688752
Passcode: Phys0111S

TEACHER ASSISTANT: **Mehbub Khan**
e-mail: MRK104@pitt.edu

Office hours: Monday and Friday 2 – 3 pm
Office: OEH-108C
Zoom Link: https://pitt.zoom.us/j/5405626186

TEACHER ASSISTANT: **Si Wang**
e-mail: SIW34@pitt.edu

Office hours: Tuesday 6pm – 8pm
Office: Zoom Link: https://pitt.zoom.us/j/4486611560
Passcode: 950299

TEACHER ASSISTANT: **Lisabeth Santana**
e-mail: LMS262@pitt.edu

Office hours: Tuesday 10am – 12pm
Office: 524 Allen Hall (Desk 13)
Zoom link: https://pitt.zoom.us/j/91892704819
Passcode: 771772

RECITATIONS:

Class #	Time	Location	Zoom link until 01/26	TA
11370	Mon 1:00 – 1:50 pm	11 Thaw Hall	https://pitt.zoom.us/j/99289011580 Passcode: 316552	Mehbub Khan
33312	Mon 1:00 – 1:50 pm	105 Allen Hall	https://pitt.zoom.us/j/4486611560 Passcode: 950299	Si Wang
11100	Mon 2:00 – 2:50 pm	11 Thaw hall	https://pitt.zoom.us/j/93509704319 Passcode: 1060	Lisabeth Santana
10872	Tue 12:00 – 12:50 pm	11 Thaw Hall	https://pitt.zoom.us/j/4486611560 Passcode: 950299	Si Wang
10871	Tue 1:00 – 1:50 pm	11 Thaw Hall	https://pitt.zoom.us/j/4486611560 Passcode: 950299	Si Wang
27996	Tue 3:00 – 3:50 pm	11 Thaw Hall	https://pitt.zoom.us/j/99289011580 Passcode: 316552	Mehbub Khan
30201	Tue 4:00 – 4:50 pm	11 Thaw Hall	https://pitt.zoom.us/j/99289011580 Passcode: 316552	Mehbub Khan

COURSE DESCRIPTION:
This course is the second half of a two semester, algebra based introductory physics course. The first half is Physics 0110, Introduction to Physics 1. You should have successfully completed Physics 0110 or its equivalent with a C or better before enrolling in this course. The goal of the course is to learn physics and to develop the skills of critical thinking and problem solving.

TENTATIVE SCHEDULE:

• Thermodynamics (chapters 13 – 15)	Week 1 – 3
• Electricity (chapters 18 – 19)	Week 3 – 5
• Electronics (chapters 20 – 21)	Week 6 – 7
• Magnetism (chapter 22)	Week 8 – 9
• Electromagnetic induction (chapter 23)	Week 10 – 11
• AC circuits (chapter 23)	Week 12
• Light and electromagnetic waves (chapter 24)	Week 13
• Optics (chapter 25)	Week 14 – 15

TEXT BOOK:
Openstax's "College Physics".
Suggested Alternative book: "Physics", by Cutnell and Johnson.

HOMEWORK:
Homework assignments will be done online using Achieve of 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 though 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.

The special pricing is not currently reflected in your Achieve course URLs.
You will see the national price of $42.
PLEASE register in the course by clicking on "Start a Grace Period".
If any student has already purchased access at $42 use this link to request a refund. Achieve Student Refund.
The access codes at the bookstore are at the correct price of $33

Achieve Office hours:
Zoom Link - https://macmillanlearning.zoom.us/j/99805440444

Tuesday, Jan 11th @ 4PM - 5PM
Wednesday, Jan 12th @ 9AM - 10AM
Thursday, Jan 13th @ 4PM - 5PM
Friday, Jan 14th @ 11AM - 12PM

EXAMS:
There will be an equivalent of one midterm exam during class hours, and one final exam scheduled by the university during finals week.

FINAL GRADE:
Your final grade will be made of the following:

Online assignments	30%
Midterm	30%
Final	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
65 – 69	C-
62 – 64	D+
59 – 61	D
55 – 58	D-
<55	F

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.

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.

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.