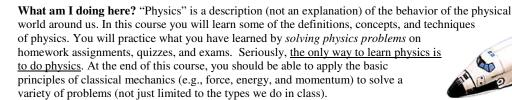
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## General Physics I (Phys 113-01)

Fall 2025



What if I'm confused? Your textbook, *Physics* (any edition) by Cutnell & Johnson, provides many examples and hints for solving problems. The Physics Learning Center (ISC 233) may also be available for help when you are stuck. In addition, I will be happy to answer your questions (but not to do your homework for you) during the office hours listed above, or at any other mutually convenient time.

I want an 'A'! I want you to get an 'A', too! Your grade in this course will be based on your homework grades, quizzes, and exams (including a comprehensive final).

Homework: You will submit your weekly homework using the CAPA system on the internet. CAPA homework is generally due before 8 am on the day indicated (see back). You may discuss the assignments with other students, but you are responsible for doing your own work.

Quizzes: Quizzes will be given (almost) every Thursday at 9:30:00 am. These quizzes are open notebook, and will require you to symbolically copy a homework solution for a problem already due on that same day. I may drop your lowest quiz score when computing your final grade, depending on your circumstances and your choices.

Exams: You will take in-class exams using the CAPA system. You are required to bring a laptop to exams with a battery sufficiently charged to last the full 75 minutes. Exams will require you to answer conceptual questions and to solve problems which I will design. There are 4 exams, including the final. The exams are scheduled as follows.

Exam #1	Tuesday, September 23, 2025	Chapters 1, 2, 3, and 4a
Exam #2	Tuesday, October 21, 2025	Chapters 4, 5, and 6, 7
Exam #3	Tuesday, November 18, 2025	Chapters 7, 8, and 9
Exam #4	Thursday, December 11, 2025 (8:00 am – 10:30 am)	Chapters 1 - 13

If, for some non-trivial, documented reason, you are unable to take an exam at the scheduled time, I may allow you to take a makeup exam; however, you must contact me at least 1 week prior to the exam date. Rescheduling is your responsibility, not mine!

Grades: Final grades will be computed as follows:

**CAPA** Assignments 20% (total for all 14 assignments) Ouizzes 13% (total for all 13 quizzes)

4% (at least 1 relevant visit in 2 different calendar months) Use of Office Hours Exams #1, 2, 3, and 4 63% total; the final (#4) is worth twice as much as the others

What is my responsibility? You are expected to own a physical (paper) text book. You must attend and participate in class (and arrive on time), study the relevant sections of your textbook, and complete all of your own homework assignments on time. You may not turn in homework problems that someone else has solved or use solutions you find online. At best you will not receive credit for the homework; at worst you will be charged with academic dishonesty.

This course moves along quickly and covers a lot of material; it is important that you keep up to date! In office hours, you should be prepared to use your computer's snipping tool, and copy-and-paste in Discord (CTRL-C and CTRL-V) to quickly post images that are appropriately sized (i.e., not gazillion pixel images taken with your phone).

Web: www.geneseo.edu/~pogo

When will it all happen? Here is the schedule of events for this semester. Please note the due dates for homework and the dates for exams. The schedule is subject to revision as the course progresses, and any major changes will be announced in class. Textbook chapters refer to the 10<sup>th</sup> edition.

Dr. Pogo

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announced in class. Textbook chapters refer to the To		
Tuesday, August 26, 2025	Thursday, August 28, 2025	
Suggested Reading: sections 1.1 - 1.5,	Suggested Reading: sections 1.6 - 1.8; 2.1 - 2.3	
Appendices A and B	Appendix E	
Tuesday, September 2, 2025	Thursday, September 4, 2025	
Suggested Reading: sections 2.4 - 2.7	Suggested Reading: sections 3.1 - 3.3	
Appendix C	Assignment #1 Due (8:00am)	
Tuesday, September 9, 2025	Thursday, September 11, 2025	
Suggested Reading: sections 4.1 - 4.5	Suggested Reading: sections 4.6 - 4.10	
	Assignment #2 Due (8:00am)	
Tuesday, September 16, 2025	Thursday, September 18, 2025	
Suggested Reading: section 4.11	Suggested Reading: section 4.12	
	Assignment #3 Due (8:00am)	
Tuesday, September 23, 2025	Thursday, September 25, 2025	
Exam #1 (Chapters 1 – 4a)	Suggested Reading: sections 5.1 - 5.2	
Exam covers Assignments 1 through 3	Assignment #4 Due (8:00am)	
Tuesday, September 30, 2025	Thursday, October 2, 2025	
Suggested Reading: sections 5.3 - 5.4	Suggested Reading: sections 6.1 - 6.3	
	Assignment #5 Due (8:00am)	
Tuesday, October 7, 2025	Thursday, October 9, 2025	
Suggested Reading: sections 6.4 - 6.7	Suggested Reading: sections 7.1 – 7.2	
	Assignment #6 Due (8:00am)	
Thursday, October 14, 2025	Thursday, October 16, 2025	
Fall Break: no scheduled class	Suggested Reading: sections 7.3 - 7.5	
	Assignment #7 Due (8:00am)	
Tuesday, October 21, 2025	Thursday, October 23, 2025	
Exam #2 (Chapters 4b – 7)	Suggested Reading: sections 8.1 - 8.3	
Exam covers Assignments 4 through 7	Assignment #8 Due (8:00am)	
Tuesday, October 28, 2025	Thursday, October 30, 2025	
Suggested Reading: sections 8.4 - 8.6	Suggested Reading: sections 9.1 - 9.2	
	Assignment #9 Due (8:00am)	
Tuesday, November 4, 2025	Thursday, November 6, 2025	
Suggested Reading: sections 9.3 - 9.4	Suggested Reading: sections 9.5 - 9.6	
	Assignment #10 Due (8:00am)	
Tuesday, November 11, 2025	Thursday, November 13, 2025	
Suggested Reading: sections 10.1 - 10.3	Suggested Reading: sections 10.4 - 10.6	
	Assignment #11 Due (8:00am)	
Tuesday, November 18, 2025	Thursday, November 20, 2025	
Exam #3 (Chapters 7b – 9)	Suggested Reading: sections 11.1 - 11.6	
Exam covers Assignments 8 through 11	Assignment 12 and quiz 12 delayed until Nov 25!	
Tuesday, November 25, 2025	Thursday, November 27, 2025	
Suggested Reading: sections 11.7 - 11.10	Thanksgiving Break: no scheduled class	
Assignment #12 Due (8:00am) + quiz		
Tuesday, December 2, 2025	Thursday, December 4, 2025	
Suggested Reading: sections 12.1 - 12.4, 12.6 - 12.8	Suggested Reading: sections 13.1 - 13.4	
	Assignment #13 Due (8:00am)	
Wednesday, December 10, 2025	Thursday, December 11, 2025	
Assignment #14 Due (8:00 am)	Exam #4 (Chapters 1 – 13)	
	Exam covers Assignments 1 through 14	
	8:00 am – 10:30 am	

SUNY Geneseo Dr. Pogo

Department of Physics and Astronomy
Class: TR 9:30 -10:45 am; Newton 204
Web: www.geneseo.edu/~pogo
Online Office Hours: MTW 8:30; MW 9:30; T 12:30; M 1:30
Online Office Hours Link: <a href="https://discord.gg/GjkWREU">https://discord.gg/GjkWREU</a>
E-mail: pogo@geneseo.edu

## **Learning Outcomes**

This course satisfies SUNY General Education Requirements (GER) in Natural Science. Students will demonstrate an understanding of the methods scientists use to explore natural phenomena, including observation, hypothesis development, measurement and data collection, experimentation, evaluation of evidence, and employment of mathematical analysis; and students will demonstrate application of scientific data, concepts, and models in one of the natural (or physical) sciences.

At the end of this course, students will:

- Be able to use basic 1D and 2D kinematics (including the effects of gravity) to describe and predict the behavior of ideal objects.
- Be able to use free-body diagrams (force analysis) to describe and predict the behavior of ideal objects.
- Be able to use the principles of energy conservation to describe and predict the behavior of ideal objects.
- Be able to use the principles of momentum conservation to describe and predict the behavior of ideal objects.

Also, the college provides information at the following URL relating to a variety of course topics:

https://sunygeneseo.sharepoint.com/sites/provost/sitepages/syllabus%20resources%20related%20to%20student%20success/syllabus-resources-related-to-student-success.aspx?web=1