

Physics with Algebra Workshop

Department of Physics
Portland State University
1 credit Pass/No Pass

Course description:

The Physics with Algebra Workshop is open to all students concurrently enrolled in PH 201/202/203 who want to increase their understanding of Physics with Algebra by putting a little extra time and energy into problem-solving and exploration of concepts that are fundamental to the study of Physics. Workshops are led by peer mentors, students who have been successful in the Physics sequence in recent academic years and whose job is to facilitate a group problem-solving session. The problems and activities for workshop sessions are developed in coordination with the lecture faculty. This is not a lecture course, a tutorial, remedial program, or a homework help session. In recent years, we've seen evidence that students who pass workshop tend to perform better than students not enrolled in workshop. We expect workshop students to be self-motivated learners who will gain by sharing in the learning process with others.

Student Responsibilities:

- **Evaluation:** There will be no midterms, quizzes, or final examinations. Course evaluation will be based on attendance and participation.
 - To receive a passing grade, you must attend your workshop each week and put forth an effort in solving the workshop problems.
 - It is expected that you will participate with the group in the problem solving process.
- **Attendance Policy:** One excused absence will be permitted per term.
 - For an absence to be excused, you must complete the problems for that workshop and turn them into your workshop leader.
 - If you are more than 15 minutes late twice, or 30 minutes late once, it is counted as an absence.
 - If you know in advance that you will miss or be late, work to find another session to attend that week. Talk to your workshop leader to facilitate this.
 - Please adhere to university guidelines regarding illnesses.
- **Maximizing Workshop's Value:** You will get the most benefit from workshop if you keep up with the course reading and homework. Come prepared to talk and work relevant problems.
 - Bring your textbook with you to workshop.
 - Workshop problems sets generally have more problems than there is time to complete during class. You are not required to complete problems not covered in class, however you will gain even more experience with the material if you collaborate with your peers!
 - Workshop leaders are a great resource for advice regarding workshop problems.

Student Resources:

- The text and resources provided in class
- Tutoring
 - In person AND live eTutoring are both available from the Learning Center on the second floor of the Library, behind the reference desk near the restrooms.
 - Visit pdx.edu/tutoring for hours of operation, schedules, and more information.
- Ask about anything at your professor's or lab TA's office hours (next page):

Course Schedule

Days	Set
1,2 Oct	1. Intro, Vectors
8, 9 Oct	2. Kinematics
15, 16 Oct	3. Newton's laws
22, 23 Oct	4. Circular motion
29, 30 Oct	5. Work and energy
5, 6 Nov	6. Momentum
12, 13 Nov	7. Rotational kinematics
19, 20 Nov	8. Rotational acceleration and torque
26, 27 Nov	Thanksgiving, no workshops
3, 4 Dec	9. Equilibrium and gravity

Workshop Sections

CRN	Day	Time	Loc	Workshop leader	e-mail
13126	R	12:00-13:50	CH 250	Jesse Allen	jesse8@pdx.edu
13128	R	14:00-15:50	NH 26	Mary Mehan	mmehan@pdx.edu
13134	R	18:40-20:30	NH 26	Ladan Yazdidoust	ladan3@pdx.edu
13125	F	10:15-12:05	SRTC 104	Yulia Kotlyar	ykotlyar@pdx.edu
13129	F	12:00-13:50	NH 382	William Hahn	willhahn@pdx.edu
13127	F	14:00-15:50	NH 224	Robin Lindland	lrobin@pdx.edu

201 Instructors	e-mail	Office hours	Location
Justin Dunlap	jdunlap@pdx.edu	M 1- 2, T Noon -1, R 3-4	SRTC 370
Syllabi and course info: http://www.pdx.edu/physics/course-descriptions-and-syllabi			

If you have any questions or concerns in regards to the workshops, email Justin Dunlap, jdunlap@pdx.edu.

Web: <http://web.pdx.edu/~ralfw/physics/Workshop/index.html>

You can find more information at the website including the weekly worksheets, though a hard copy will also be handed out in class for the upcoming workshop.