Phys 200 Syllabus
Fall 2017

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Welcome to physics 200!
Text: University Physics Volume I, OpenStax.org:
https://openstax.org/details/books/university-physics-volume-1

Tentative Timeline (May Change As Needed):

Week	Monday	Chapter:	Content
1	Aug. 28	2/3	Vectors, 1-d
2	Sept. 4	3	Labor Day Mon - 1-d Motion
3*	Sept. 11	4	2-d Motion Last week to drop*
4	Sept. 18	5	Forces I
5	Sept. 25	6	Forces II/Exam I
6	Oct. 2	7	Work/Energy
7	Oct. 9	8	Conservation of E
8	Oct. 16	9	Linear Momentum
9	Oct. 23	10	Rotation/Exam II
10	Oct. 30	11	Angular Momentum
11	Nov. 6	12	Statics/Veteran's Day Friday
12	Nov. 13	13	Gravity
13	Nov. 20	14	Fluids/ Thanksgiving
14	Nov. 27	15	Oscillations
15	Dec 4	16/17	Waves, Sound/Exam III

* BE ADVISED: Last week to drop the course without a "Withdrawal"

Grading: (the plus/minus system will be employed)
Quizzes (4-6) – 15% (Drop lowest score – no make-up quizzes)
Homework – 23%
Lab – 10% (Drop lowest score – no make-up labs)
Exams (3) - 48% (16% each)

Quizzes - will be given at the start of class and last under 12 minutes. The lowest quiz score will be dropped from the final grade. There will be no make-up quizzes. All quizzes will be announced one or more days ahead of time in class. At least one quiz will occur before each exam.

Homework –Online homework system is required to allow students to see identical problems. I will post written homework on CI Learn. Late online homework will not receive full credit. Online homework website: http://www.masteringphysics.com for which you need an access code which either came with your text, or can be purchased online and you will need to join the course called: CIFall2017 (not case sensitive: if troubled, try all caps). **Use 3rd Edition of Knight textbook Physics for Scientists and Engineers** when creating your account.

Labs – Periodically, we shall do in class lab exercises and turn in informal write-ups. One low lab score will be dropped.

Exams – Mostly material since last exam, may have earlier material as discussed in class.

Access – If you are a student with a disability requesting reasonable accommodations in this course, please visit Disability Accommodations and Support Services (DASS) located on the second floor of Arroyo Hall, or call 805-437-3331. All requests for reasonable accommodations require registration with DASS in advance of need:https://www.csuci.edu/dass/students/apply-for-services.htm. Faculty, students and DASS will work together regarding classroom accommodations. You are encouraged to discuss approved accommodations with your faculty.

Cheating – is unacceptable conduct from a college student and any cheating or plagiarism in connection with academic work will be subject to academic discipline as specified in the schedule of classes.

Student Learning Outcomes – Upon completion of this course students will be able to:

- explain the basic concepts and principles of physics
- apply problem-solving skills to practical problems of everyday life
- demonstrate the role of physics in other disciplines, and apply their understanding to these disciplines
- use a variety of simulation programs to derive conclusions about experimental situations
- organize and express ideas clearly and convincingly in oral and written forms.

General Education – This course satisfies General Education Category B-1: Physical Sciences by:

· presenting the principles and concepts of many areas within physics.

Reasoning skills are addressed by

· solving a variety of problems, with real-world applications

· simulating and modeling a variety of physical situations

· performing experiments, acquiring and analyzing the data and considering its accuracy and precision.

The course promotes

· an understanding of scientific methodologies

· the application of basic concepts to complex and diverse scientific problems

· an awareness of the significance of science and technology to world civilization