

DE ANZA COLLEGE – PHYSICS 50 – SPRING 2018

Instructor:	Achim Weidemann
Email:	weidemannachim@fhda.edu
Office Hours and Location:	M 5-5:30 pm W 5-5:30 pm 7:20-730pm (before/after class) S35 (lecture hall) or S13 (office)
Lecture Hours and Location:	MW 5:30-7:20PM in lecture hall S35
Final Exam:	Monday, June 25, 2018 – 6:15-8:15 p.m. S35
Text:	PHYSICS 4th Edition Vol. 1 by James S. Walker
Required Calculator:	Scientific calculator (must have trig functions, log, ln, exp, sqrt)
Prerequisites:	Advisory: Mathematics 43 and Physics 10.
Last Day to Drop Class: grade. with a "W."	Sunday, Apr. 22: Last day to drop a class with no record of Friday, June 1: Last day to drop
	Drop/Withdraw date is enforced. See http://deanza.edu/calendar/springdates.html

Attendance

You are expected to be in class at the beginning of each class for the rest of the quarter.

Every class will have a quiz, which records your attendance. If you miss **three or more lectures** you will be dropped from the class. However, it is **your responsibility** to ensure being dropped or withdrawn from the course in order to avoid an "F" in the course if you stop attending lecture. Taking a quiz for another student will result in both students receiving an 'F' and being dropped from the class and forwarding the incident to the college disciplinary officer.

Homework

Homework will be assigned on a regular basis but will NOT be collected. **However, it is your responsibility to have the homework completed before the following lecture.**

1. The quizzes you will be taking will generally be based on the homework problems assigned.
2. **You learn physics by doing problems. Just reading the book or following the lecture is not enough.**

You may think to have perfectly understood a lecture or a book explanation, but if you cannot apply it to a different problem, you have not really understood it! You should aim for understanding by application to problems, **not** for just regurgitating formulae.

Notice: The course is fast-paced, a quarter is very short (only 21 class meetings!) and every lecture or quiz

relies on your perfect understanding of **all** previous material.

If you are having difficulties with the class/homework, you **must** do something about it **right away**:

1. Work together and discuss problems with other students in the class. Form a study group.
2. Ask for help during class and attend office hours.
3. Go to the Math & Science Tutorial Center.

On the homework, quizzes, as well as on the exams, you need to show all your work in complete detail in order to receive full credit. Your solutions should show your step-by-step process and logic that was used to obtain the answer. No credit will be given if no work is shown even if you obtain the correct answer to the problem.

Textbook: You should have a copy of the text, *James S. Walker, Physics, 4th edition*, as homework problems are assigned from it. You may consult the following (free) resources: The People's Physics Book <http://scipp.ucsc.edu/outreach/index2.html> covers similar material, at a somewhat lower level of detail. Openstax College Physics (<https://cnx.org/> → scroll to College Physics in right-hand column) is a free book similar to Walker's.

QUIZZES AND EXAMS /

There will be a 15 minute quiz **every** class, on the homework problems given due on that day, and on the material of the last class. Therefore, you must attend every lecture and have ALL the homework completed before class.

The lowest quiz score in the quarter will be dropped. **NO MAKE-UP QUIZZES OR EXAMS.**

There will be a midterm exam (on 5/21, through Newton's laws) and a final exam (6/25, comprehensive)

Note: If there is a dispute in the grading of any exam, homework, quiz, or exam I will consider looking at them a second time only if it is handed back to me at the next office hour after I return them.

GRADING

Grades will be based on the following components with the weights shown:

Quizzes 36% Mid-Term Exam 30% Final Exam 34%

Grades will be determined as follows: 90% --->100% = A 76 %---> 89% = B 65% ---> 75% = C

54% ---> 64% = D 0 ---> 53% = F

De Anza College Academic Integrity

“The following types of misconduct for which students are subject to disciplinary sanctions apply at all

times on campus as well as to any-off campus functions sponsored or supervised by the college: cheating, plagiarism or knowingly furnishing false information in the classroom or to a college officer”

Disruptive Behavior Policy

Any DISRUPTIVE BEHAVIOR during class will NOT be tolerated. If a student is in any way disruptive during the class, the student will be given a warning. If the problem continues, the student will be asked to leave the class and a formal disciplinary report will be filed with the college disciplinary officer. The incident will be recorded in your college record and will be sent with your transcripts to any university/college requesting student records.

Electronic Device Policy

With the exception of calculators the use of cell phones, laptops or similar electronic devices is not permitted in class.

A laptop or Ipad device may be used for note-taking with instructor’s prior permission.

Failure to comply with this policy will result in the instructor enforcing the Disruptive Behavior Policy..

Student Learning Outcome(s):

*Critically examine new, previously un-encountered problems, analyzing and evaluating their constituent parts, to construct and explain a logical solution utilizing, and based upon, the fundamental laws of mechanics.