

## Physics 2C - 41944 - General Introductory Physics - Spring 2018

Lecture Teacher	Dr. Kashi Nath
Email	nathkashi@fhda.edu - Please put 'De Anza Phys 2C' in the subject
Cell	650 561 5003
Office Hours	S13 or S17 – Tues, Thurs 2:20 – 2:50 pm
Lecture Hours	Mon, Tues, Wed, Thurs - 1:30 -2:20 pm
Lecture & Lab Room	S17
Lab Teacher	Professor David Newton. Students are required to follow Professor Newton's instructions for labs.

Textbook            Fundamentals of Physics (Halliday & Resnick) 10th edition by Jearl Walker, ISBN 978-1-118-23071-8  
(9th Edition or eBook may also serve the purpose, however the home assignments will be given from the 10<sup>th</sup> edition book.)

Prerequisite:        Completion of physics 2B with a passing grade.

- The goal of this course is to study whatever was not studied in 2A and 2B. Thus the course may be composed of two or three different areas. We will be starting with fluids, move on to optics, then modern physics and finally, thermodynamics
- **Exams:** There will be three exams. Two midterms and a final. Each midterm exam (except the final exam) will normally focus on the newest material, but not be limited to the new material only. You are allowed to miss one midterm exam, but in this situation your grade for this missed exam will be 80% of the average of the other two exams. If you appear in all exams, then the lowest midterm grade will be replaced with the average of the other two exam grades. So the advice is - do not miss any exam. There is no make up exam. **If you miss the final comprehensive exam your grade will be a 'D' or an 'F', depending on your past performance.**
- **Attendance Policy:** Your class attendance is very important. Without prior arrangement, you are allowed five **lecture** absences per quarter. The number of lecture absences beyond five will affect your course grade. You are responsible for all of the information presented in the class. Students with excessive absences may be dropped. However, non-attendance does not guarantee your being dropped. If you need to drop the course, it is your responsibility to do so. Below is the Attendance Policy for Labs.

**Important Lab Attendance Policy:** The physics department policy is to allow only ONE lab to be missed. If a student misses TWO or more labs, she/he cannot complete the course and will be given either a W or an F. The lab participation is mandatory for the completion of the class and that only one lab can be missed. And also, if the **lab final** itself is missed, the student will not be allowed to pass the class.

- **Conduct:** Be on time and do not leave early. Your cell phone should be off and put away during class. Off is off, not vibrate mode. If your cell phone rings/vibrates during a quiz/exam, you will get an automatic zero, no discussion. Use of lap-tops, computers, cameras, etc. are not permitted, except for the use of eBook.
- **Quizzes:** Regular quizzes will be given in the beginning and/or during the class. No makeup quizzes will be given. You get to drop two lowest score quizzes. If you miss a quiz, it counts as your lowest score that you get to drop.
- A score of zero point will be given if a student has been found cheating. No cell phones will be allowed out in view during the exam; doing so will constitute cheating on the exam. Please also visit [www.deanza.edu/titleix](http://www.deanza.edu/titleix) for information on the college policy on title IX.

**The following shows the breakdown:**

Exam 1 and Exam 2	40%
Comprehensive Final Exam	30%, If you miss the final exam, you get a 'D' or an 'F'
Labs	10%, Please follow the instructions given by Professor Newton
Quizzes and group problem solving	10%, In the beginning and/or during the class
Homework/Home Assignments	10%

**The grading system will be:**

A+	97-100%	A	93-96%	A-	90-92%
B+	87-89%	B	83-86%	B-	80-82%
C+	77-79%	C	70-76%		
D+	67-69%	D	63-66%	D-	60-62%
F	<60%				

**Exam 1 (on topics taught from beginning to the day before Exam 1): Monday – April 30**  
**Exam 2 (on topics taught after Exam 1 to the day before Exam 2): Tuesday – May 29**  
**Final Exam (comprehensive – all topics taught): Monday, June 25, 1:45-3:45pm.**

**Important Dates:** Monday, April 9 :: First day of class  
 Sunday, April 22 :: Last day to drop a class with no record of grade  
 Monday, April 23 :: Census Day  
 Monday, May 28 :: Memorial Day, Holiday - No Classes  
 Friday, June 1 :: Last day to drop a class with a "W"

For details, please consult De Anza College Academic Calendar for Spring Quarter 2018

**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 optics, thermodynamics, fluids, and modern physics.

\*In order to test lab skills students are expected to gain confidence in taking precise and accurate scientific measurements, with their uncertainties, and then with calculations from them, analyze their meaning as relative, in an experimental context, to the verification and support of physics theories.