

PHYSICS 3C: BASIC PHYSICS III, SPRING 2022B

<https://canvas.eee.uci.edu/courses/44717>

Instructor: Jin Yu, PhD <https://www.physics.uci.edu/jin-yu>
jin.yu@uci.edu Office Hour: Mon/Wed 1:00-1:40 pm (online or in office)
Lectures: MWF 2:00 PM - 2:50 PM ([EH 1200](#)) (Mar 28 Mon – Jun 3 Fri)
Final Exam: TBA

Discussion Sections: All sections are held on Tues from 9 am to 7 pm; one must be enrolled.

Textbook: [Physics for Scientists & Engineers with Modern Physics, Fourth Edition, by Douglas Giancoli \(Pearson/Prentice Hall publishers\)](#). A suggested reference book with lots of solved problems is The Schaum's Outline Series book on "College Physics", 9th Edition. Many of you may have already purchased access to the electronic version of the textbook by Giancoli through "mastering physics", now as "modified mastering".

Homework: There are two components:

1. The first component uses [Modified Mastering Physics](#) for online homework. This component is worth **15%** of the final grade. Due weekly Sun 11:59 pm by default.

1) Log in to Canvas and open your Canvas course. 2) Select a MyLab and Mastering link in Course Navigation or a module. 3) Select Open MyLab & Mastering to go to the course (currently [yu56491](#)) home page or select a link under Student Links. Next, get access to your course content: 1) Sign in to link your Pearson and Canvas accounts. If you're new to MyLab and Mastering, create an account. 2) Select any available access option, if asked. Enter a prepaid access code that came with your textbook or from the bookstore. 3) Select Go to my course.

2. The second component of the homework consists of a conventional set of problems. Your solutions to these suggested problems will NOT be collected. Students are expected to do the homework in a timely manner. Solutions to these suggested problems are posted on the course website.

No student will be given an extension on the online homework due date!

"Quizzes": There will be 4 quizzes given during discussion sections. The quizzes are worth **10%** of the final course letter grade. The quizzes will be given during discussion sections, [on Tues, Apr. 5th](#) (week 2), [Apr. 19th](#) (week 4), [May 17th](#) (week 8), and [May. 31st](#) (week 10). Grading is on a 0-5 scale:

5 = all steps clearly written with correct answer

4 = all steps clearly written, with minor calculation mistake

3 = most steps clearly written, with obvious mistakes

2 = most steps written but not clearly, with obvious mistakes

1 = steps poorly written, or wrong answers due to wrong concepts

0 = no efforts made

Midterm Exam: There will be one midterm examination given. It will be given during lecture time on **Wed, May 4th** (week 6). The midterm exam is worth **35%** of the final course letter grade. The examination will be closed book and closed notes. Some formulas and values of fundamental constants will be provided.

Final Exam: A comprehensive final exam will be given on **TBA**. The final exam is worth **40%** of the final course letter grade. The final exam will be closed book and closed notes. Formulas will be provided. If you miss the final exam for a “good reason” AND you are in “good standing” in the course, you will have to take the make-up final exam the NEXT time that Physics 3C is offered.

The course grade will be determined as follows:

15% Online Homework

10% Quizzes in Discussion sections

35% Midterm Exam

40% Final Exam

The following approximate grade distribution can be expected:

A's 20-30%

B's 30-40%

C's 10-20%

D's and F's 10-20%

Academic Dishonesty: Anyone who gets caught cheating in any of the exams will automatically receive a letter grade of **F** in the course.

Disabilities: Students should consult with the Disability Services Center if they feel some accommodation is needed. The center will notify all your professors what the problem is and how the midterm exam, final exam, and possible other difficulties might be handled.

Tentative Schedule and suggested Problems (*subject to change*)

Week	Chapter	Suggested Problems (including Assignments on Mastering)
1	14	P14: 3,6,7,13,17,25,27,28,30,37,39,41,43,47, 86,92
2 Quiz Tues	15	P15: 1,4,6,10,15,21,24,43,44,46,48,65
3	16	P16: 1,3,7,10,14,15,18,19,34,36,37, 53,55,61,62,65,66,90,104
4 Quiz Tues	31	P31: 8,10,11,15,17,18,20,26,29,30,39,44,48,49,53,56
5	32	P32: 11,12,14,23,26, 32,34,36,38,39,42,43,45, 47, 52,53,54,57,59,74
6 Midterm Wed	33	P33: 2,3,6,14,21,24, 29, 31
7	34	P34: 2,4,5,6,8,12,15,23,25,27,29,31
8 Quiz Tues	35	P35: 1,2,3,4,7,11,24,25,27,30,33,36,49,50
9	37	P37: 1,2,4,7,10,11,14,15,17,21,28,30,32,40,47,54,55,59,62,65,69
10 Quiz Tues	<i>Review or more</i>	