

PHYS 342, Modern Physics

Instructor: Prof. F. Robicheaux
Office: Physics 284
Office hours: Wed 2:00-3:00, Thu 2:00-3:00.
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Prerequisites: PHYS 241 or 251 or 261 or 271 or 272(H)

Text: Required: *Modern Physics*, 4th Ed. By Kenneth S. Krane
Many of the topics, notation, and homework problems will be from this book.
There are many “Modern Physics” textbooks if Krane is too obscure for you.

Website: <http://www.physics.purdue.edu/~robichf/class.htm>
This site will have the class notes, problems for each homework, test dates, test solutions, etc. Links to other info as well.

Homework: Homework will contain problems from the textbook and other sources. The **pdf** of your homework will be submitted electronically in brightspace each Thur. before 11:59 pm. **IMPORTANT:** To help the grader, your homework must contain your name in the name of the file (for example: chris_smith_hwk7.pdf). Homework must be easily legible to be graded. Homework turned in after Thur. 11:59 pm will be worth ½ credit. Homework turned in after Fri. 11:59 pm will be worth ¼ credit. Homework turned in after Sat. 11:59 pm will be graded but worth 0 credit. I strongly suggest you not look at the answers before turning in homework. Copying solutions from other students or from the web violates academic honesty.

Grading: Homework 10%, 2 Tests 27.5% each, Final 35%

Topics: See class web page for likely emphasis.

Virus Info: Do not come to class if you feel ill.
The class policy regarding masks will be the Purdue Univ policy.

Absences: Attendance is not required. If you have an excused absence for *one* test, you can request a make-up test which will be written specifically for you OR the grade for the missed test will be scaled from the other test and the final. For example, if you miss test 1: $\text{grade_1} = \text{avg_1} [(\text{grade_2} + \text{final})/(\text{avg_2} + \text{avg_fin})]$