

# PHYS 550, Intro. to Quantum Mechanics

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**Prerequisites:** Physics 344 and 410.

**Text:** Required: *Quantum Physics, 3<sup>rd</sup> Ed.* By Stephen Gasiorowicz  
The tests are open textbook so you must have access to a physical copy (not electronic because you can't have open laptop during test); printout of relevant pages are OK as long as they only have info from the book.

Recommended: (I've only used Griffiths but the others seem to be commonly assigned)

*A Modern Approach to Quantum Mechanics* by John S. Townsend (undergrad)  
*Introduction to Quantum Mechanics, 2<sup>nd</sup> Ed.* By David J. Griffiths (undergrad)  
*Principles of Quantum Mechanics.* by R. Shankar (graduate level)

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

**Homework:** Homework will contain problems from the textbook and numerical questions nearly every week. Homework will be due each Tues before midnight. Homework turned in after I arrive Wed morning will be worth ½ credit. Homework turned in Thurs will be worth ¼ credit. Homework turned in after Thurs 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 20%, 2 Midterms 25% each, Final 30%

**Topics:** See class web page for likely emphasis.