PHYS 460, Quantum Mechanics I

Instructor: Prof. F. Robicheaux
Office: Physics 284
Office hours: Mon 4-5, Tues 10-11
Phone: 765-494-3029
Email: robichf@purdue.edu

Grader: Ying-Kang Chen
Office: TBA
Email: chen2317@purdue.edu

Prerequisites: Physics 344 and 410.

Text: Required: *Introduction to Quantum Mechanics, 2nd Ed.* By David J. Griffiths
The tests are open textbook so you must have access to a physical copy of Griffiths (not electronic because you can't have open laptop during test).

Recommended: (I haven't used these but they seem to be commonly assigned)
A Modern Approach to Quantum Mechanics by John S. Townsend
Quantum Physics by Stephen Gasiorowicz (advanced undergrad level)
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.

Oral: There will be a 15 minute oral examination every other week based on assigned homework. Problems will be randomly chosen and you will work them on my white board. You will be able to use *my* textbook.

Grading: Homework 10%, Oral 10%, 2 Midterms 25% each, Final 30%

Topics: See class web page for likely emphasis.