PHYS 460, Quantum Mechanics I

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Grader: TBA
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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 possible numerical
questions. 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.