

## PY 451: QUANTUM PHYSICS I      GENERAL INFORMATION

Spring 2009

last updated: January 14, 2009

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Office hours: W 11–12:30, F 1-2.  
Course website: physics.bu.edu/~redner/451.html

### Required Text:

S. Gasiorowicz, *Quantum Physics* 3<sup>rd</sup> ed. (Wiley). This is a standard text that presents the major topics that we'll cover this semester.

### Recommended Texts:

There are many helpful references available to complement the text, including:

D. J. Griffiths *Introduction to Quantum Mechanics*, 2nd edition (Pearson Prentice Hall). This is a very pedagogical book, well praised by students who used it.

R. L. Liboff *Introductory Quantum Mechanics*, (Addison Wesley).

R. Eisberg and R. Resnick, *Quantum Physics of Atoms, Molecules, Solids, Nuclei, and Particles*, 2<sup>nd</sup> ed. (Wiley). This book is a bit of an encyclopedia but has lots of useful information.

### Academic Conduct

It is the responsibility of all students to know and understand the provisions of the CAS Academic Conduct Code. Any academic infractions, such as cheating, will be dealt with according to this code.

### Problem Sets

There will be weekly assigned problem sets for this course that will be posted on the course website by Friday. You can collaborate with other students in solving the problem sets. However, the write-up that you hand in should represent your own personal effort. Assignments will be due the following Friday by 4:00pm and should be placed in the drop-off envelope by my office door (room SCI 321). Late homework will **not** be accepted.

There are two homework graders, Diego Guerra (dguerra@physics.bu.edu) and John Ogren (jiogren@bu.edu). Questions regarding homework grading should be directed to the grader, no more than one week after the graded assignment is returned to you.

### Exams

There will be one in-class mid-term exam on March 17, and a three-hour final exam on Tuesday May 5 at 9am.

### Grading

Your final grade will be computed as follows:

<b>Problem Sets</b>	<b>30%</b>
<b>Midterm</b>	<b>30%</b>
<b>Final Exam</b>	<b>40%</b>