

## Physics 401 Fall 2016 v1 8/25/16

### Professor

Chris Lobb

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Phone: 301-405-6130 office, 202 546 0818 home (before 9:30 pm)

Office: Toll Physics Building 1364. The easiest way to get there is through the entrance to the Center for Nanophysics and Advanced Materials in the courtyard between the math and physics buildings. After entering, turn right, go down the hallway, and then turn right again to go up the stairs.

### Office Hours

To be determined to fit your class schedules as much as possible.

### Course Goal

To learn the foundations of quantum mechanics, primarily by covering the 1st half of *Griffiths* (Chaps. 1-4).

### Class Schedule

Room: PHYS 1201

Hours: M10-10:50, W: 10 - 11:50, F 10 - 10:50

### Credits

4

### Prerequisites

PHYS371 and PHYS373

### Required Text

David Griffiths, *Introduction to Quantum Mechanics* 2nd Edition (ISBN: 0- 13- 111892-7).

### Course Website

<http://elms.umd.edu>

### Homework

Assignments will be posted on ELMS approximately weekly, due in one week, hardcopy in class. Collaboration is encouraged, but copying is not, and will not help you learn. Your lowest homework grade will be dropped.

### Exams

*Quizzes:* there will be ~5 quizzes held in the second hour of alternate Wednesdays. Your lowest quiz grade will be dropped, so there will be no make-ups.

*Hour exams:* There will be two hour exams in early October and mid-November.

*Final:* The final exam date will be announced

### Grading

Homework: 20%

Quizzes: 25%

Mid-terms: 30%

Final: 25%

### Tips for Doing Well

*Read the book.*

*Do the homework.* Collaboration can be good, but relying on answers from your classmates or from the Web is an excellent way to fail.

*Keep up.* Cramming for exams is another excellent way to fail.

*Ask questions.* If you do not understand something, you are probably not alone, so do yourself and your friends a favor, and impress the professor by asking!

### Academic Dishonesty and Other Student Conduct Policies

<http://www.ugst.umd.edu/courserelatedpolicies.html>