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Physics 137A: Quantum Mechanics I, Spring 2007

Course information sheet
Website: http://socrates.berkeley.edu/~jemoore/p137a/p137a.html

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Course professor
Joel Moore
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Lectures: TuTh 9:30-11:00, 310 Hearst Memorial Mining Building
Discussions: 4-5 p.m. Tu (110 Barker) or 1-2 p.m. Th (425 Latimer)
Instructor: Prof. Joel Moore, jemoore@berkeley.edu
Instructor office hour: Tu 1:30-2:30, 549 Birge Hall
GSI: Joel Corbo, jcorbo@berkeley.edu
GSI office hours: TBA on website

Course text: Introduction to Quantum Mechanics (2nd Edition), Griffiths
We will follow the textbook quite closely, and you are strongly encouraged to get a copy. If you use the 1st edition instead, be aware that the numbering of problems has changed. Griffiths and another book are on reserve in the Physics/Astronomy Library.

Prerequisites: Berkeley Physics 7A-7C and Mathematics 53-54, or equivalent.
We will not spend very much time (but more than Griffiths) on the experimental issues that led to the development of quantum mechanics; here looking at your Physics 7C notes or the first chapter of the textbook by Bransden may be a good idea if you wish to supplement the lectures.

Grading: 35% problem sets, 30% midterms, 35% final

Problem sets are due by Friday 5 pm in the appropriate box on the second floor of New LeConte. There are two boxes: one for surnames beginning A-M and the other for surnames N-Z. You must obtain permission in advance to hand in a late homework; without permission, you will receive half credit if the homework is turned in by 5 pm the following Tuesday, and no credit after that. **Please make sure to put your problem set in the box for the correct lecture: 137A.002**.

You should read chapters of Griffiths concurrently with the course lectures. The first problem set is due Friday, January 27: the problems are
Griffiths chapter 1: 1, 2, 3, 5, 9, 11, 12, 14a

Some optional problems if you would like extra practice (these are not to be turned in) are 1.6, 1.7, 1.8.