

Physics 632

<http://www.physics.ohio-state.edu/~perry/p632>

Introductory Quantum Mechanics II Winter, 2007

Lecturer:

Professor Robert Perry

<http://www.physics.ohio-state.edu/~perry/> (old course web sites)

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Grader:

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Textbook: *Quantum Mechanics*, 2nd edition, by David J. Griffiths

Lectures: MWRF 10:30-11:18 1005 Smith Laboratory

Open Sessions: T 10:30-11:18 Room to be announced

Grades: 75% tests (2 exams 35%+40%), 25% homework

Topics:

- Mastery of Dirac Notation & QM Postulates
- Quantum Mechanics in Three Dimensions
- Hydrogen Atom
- Angular Momentum (Orbital and Spin)
- Two-Particle Systems, Atoms & Solids
- Time-Independent Perturbation Theory