Overview of the Course

Up to now:

- General properties and equations of quantum mechanics
- Time-independent Schrodinger's Equation (SEQ) and eigenstates.
- Time-dependent SEQ, superposition of eigenstates, time dependence.
- Collapse of the wave function
- Tunneling

This week:

- 3 dimensions, angular momentum, electron spin, H atom
- Exclusion principle, periodic table of atoms

Next week:

- Molecules and solids, consequences of Q. M., Schrodinger's cat
- Metals, insulators, semiconductors, superconductors, lasers, . .

Final Exam: Monday, Mar. 4
Homework 6: Due Saturday (March 2), 8 am