

Topic-Level learning goals for *Atomic Structure*
UBC PHYS 250, *Introduction to Modern Physics*, Summer 2009
(updated July 30, 2009)

6. Atomic Structure and interactions between light and atoms

- Write down the Schrodinger equation for the electron in a hydrogen atom
- Remember the basic characteristics and quantum numbers that describe the solutions to the Schrodinger equation for a hydrogen atom.
- Explain how the Schrodinger equation predicts that different types of atoms will be different colours and that it will require different amounts of energy to remove an electron. (under Phys200 “bound states”)