

# Phys 707: Atomic and Nuclear Physics

## [Physics & Astronomy](#)

This course is devoted to the main experimental and theoretical results in atomic and subatomic physics. These include atomic configurations and spectroscopy; properties of atoms in magnetic and electric fields including fine and hyperfine structure in atomic spectra; X-ray spectroscopy; main concepts of nuclear physics for understanding influence of the nucleus on atomic spectra.

3 Credits

### Instruction Type(s)

- Lecture: Lecture for Phys 707

### Subject Areas

- [Nuclear Physics](#)
- [Atomic/Molecular Physics](#)

### Related Areas

- [Acoustics](#)
- [Condensed Matter and Materials Physics](#)
- [Elementary Particle Physics](#)
- [Optics/Optical Sciences](#)
- [Physics, General](#)
- [Physics, Other](#)
- [Theoretical and Mathematical Physics](#)

