

# Phys 723: Nuclear Physics I

## [Physics & Astronomy](#)

This two-course sequence covers nucleus and nucleons, mass, binding energy, nuclear force, nuclear models, nucleon structure, quarks; nuclear reactions, conservation laws, nuclear decay; radioactivity, nuclear fission and thermonuclear energy; nuclear fusion, solar fusion, controlled fusion reactors; experimental methods and applications of nuclear physics.

3 Credits

### Instruction Type(s)

- Lecture: Lecture for Phys 723

### Subject Areas

- [Nuclear Physics](#)

### Related Areas

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

