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

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