

## 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**

<u>Nuclear Physics</u>

## **Related Areas**

- <u>Acoustics</u>
- Atomic/Molecular Physics
- <u>Condensed Matter and Materials Physics</u>
- Elementary Particle Physics
- Optics/Optical Sciences
- Physics, General
- Physics, Other
- <u>Theoretical and Mathematical Physics</u>

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