

## Phys 607: 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 607

## **Subject Areas**

- <u>Nuclear Physics</u>
- <u>Atomic/Molecular Physics</u>

## **Related Areas**

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

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.

