

Phys 540: Introduction to Scientific Computing

This course is designed for graduate students and advanced undergraduates in the physical sciences, mathematics, and other quantitative disciplines. It teaches the practical skills that students will need in their graduate studies and that most scientists are expected to use in their technical careers. It focuses on algorithms and numerical methods, is largely language agnostic, and assumes only limited familiarity with programming. Examples will be drawn from problems in physics, chemistry, biology, engineering, and epidemiology.

3 Credits

Instruction Type(s)

• Lecture: Lecture for Phys 540

Subject Areas

<u>Physics, General</u>

Related Areas

- <u>Acoustics</u>
- <u>Atomic/Molecular Physics</u>
- <u>Condensed Matter and Materials Physics</u>
- <u>Elementary Particle Physics</u>
- <u>Nuclear Physics</u>
- Optics/Optical Sciences
- 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.

