Phys 540: Introduction to Scientific Computing

PHYSICS & ASTRONOMY

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

- Physics, General

Related Areas

- Acoustics
- Atomic/Molecular Physics
- Condensed Matter and Materials Physics
- Elementary Particle Physics
- Nuclear Physics
- Optics/Optical Sciences
- Physics, Other
- Theoretical and Mathematical Physics