

# Phys 611: Quantum Mechanics I PHYSICS & ASTRONOMY

Schrodinger's equation and Hilbert spaces. Symmetry and conversation laws. Path integral quantization. Quantum theory of angular momentum. Systems of identical particles and many-electron atoms. Perturbation theory. Nonrelativistic scattering.

3 Credits

#### One-way corequisites

• Phys 609: Advanced Mechanics I

## Instruction Type(s)

• Lecture: Lecture for Phys 611

## **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

