

# Phys 711: 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 709: Advanced Mechanics I

# Instruction Type(s)

Lecture: Lecture for Phys 711

# **Subject Areas**

Physics, General

### **Related Areas**

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

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