

# Phys 625: Solid State Physics I

## PHYSICS & ASTRONOMY

Properties of solids and solid state theory, lattices, lattice imperfections and vibrations, cohesive energy, band structure, magnetism, transport and optical properties.

3 Credits

### Prerequisites

- Phys 725 Requires: One Way-Co-Requisite Phys 711

### One-way corequisites

- [Phys 611: Quantum Mechanics I](#)

### Instruction Type(s)

- Lecture: Lecture for Phys 625

### Subject Areas

- [Condensed Matter and Materials Physics](#)

### Related Areas

- [Acoustics](#)
- [Atomic/Molecular Physics](#)
- [Elementary Particle Physics](#)
- [Nuclear Physics](#)
- [Optics/Optical Sciences](#)
- [Physics, General](#)
- [Physics, Other](#)
- [Theoretical and Mathematical Physics](#)

