

# 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

