

# 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

<u>Condensed Matter and Materials Physics</u>

### **Related Areas**

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

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