Aug. 21  Overview
Aug. 23  Crystal Structures
Aug. 28, 30  Reciprocal Lattice
Sept. 4  Crystal Binding
Sept. 6  Crystal Vibrations (Classical Theory)
Sept. 11, 13  Phonons I: Quantum Theory
Sept. 18, 20  Phonons II: Thermal Properties
Sept. 26  Review Session (tentative)
Sept. 27  Midterm 1
Sept. 25, Oct. 2  Electrons in Metals
Oct. 4  Electron Transport: Classical Theory
Oct. 9, 11  Boltzmann Equation of Transport
Oct. 16  Quantum Transport
Oct. 18  Metallic Nanocohesion
Oct. 23, 25, 30  Energy Bands
Nov. 1, 6  Semiconductors
Nov. 7  Review Session (tentative)
Nov. 8  Midterm 2
Nov. 13, 15, 20  Superconductivity
Nov. 27, 29  Magnetism
Dec. 4  Grad. Student Presentations
Dec. 5  Review Session (tentative)
Dec. 13  Final Exam, 8am–10am

Prof. Charles Stafford, Department of Physics