

Course Schedule - Spring 2008

Physics

560 **Condensed Matter Physics I** credit: 4 hours.

Crystalline perfection, free-electron gas, screening, plasma oscillations, and dielectric response; Bloch electrons, Brillouin zones, and band structure; semiconductors, intrinsic and extrinsic, with applications; phonons, elasticity, and anharmonicity; ferromagnetism and second-order phase transitions; superconductivity. Prerequisite: PHYS 427 and PHYS 580.

CRN	Type	Section	Time	Days	Location	Instructor
36787	lecture	A	03:30 PM - 04:50 PM	MW	room 158 Loomis Laboratory	Chang, Y