

Course Schedule - Spring 2005

Materials Science and Engineering

455 **Polymer Physics** credit: 3 hours.

(MATSE 355) Techniques and applications of polymer crystal structure and morphology observation; x-ray, electron, light and neutron scattering and diffraction; light and electron microscopy. Morphology-processing property relationships of crystalline polymers, blends and copolymers; liquid, plastic and condis crystals; deformation mechanisms and orientation characterization; relaxations and transitions; crystallization theory. Prerequisite: MSE 450 or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
38259	lecture-discussion	A	11:00 AM - 11:50 AM	MWF	room 305 Materials Science and Eng Bld	Geil, P