

Date	Topic
8/26/2009	Introduction
9/1/2009	STM instrumentation
9/3/2009	STM lab tour
8-Sep	STM/S of semiconductors-I
9-Sep	STM/S of semiconductors-II (Compound semiconductor and alloys)
10-Sep	STM/S of semiconductors-III (Heterostructures)
15-Sep	Atomic and Molecular Manipulation and Imaging Quantum Phenomena
16-Sep	<i>Peeking at the Berry Phase in Dirac Materials: Hari Manoharan, Stanford University (Physic Colloquium)</i>
17-Sep	Single Molecule Spectroscopy and atomic scale chemistry
22-Sep	AFM-I
23-Sep	AFM-II: Lab Tour and Demo
24-Sep	AFM-III: Dynamic Force Microscopy
1-Oct	Applications of AFM in Bio-Physics-I: Viscoelastic Properties of Cells
8-Oct	Physics at Nanoscale: guest Lecture by Professor Niu
13-Oct	Magnetic Force Microscopy: Guest lecture by Professor deLozanne
15-Oct	Applications of AFM in Bio-Physics-II: Single Molecular Force Spectroscopy
29-Oct	NSOM
3-Nov	Other Nanoscale-optics
5-Nov	Scanning Capacitance Microscopy, Electrostatic Force Microscopy
10-Nov	TEM-I: guest lecture by Professor Ferreira
12-Nov	TEM-II: guest lecture by Professor Ferreira
17-Nov	Term paper presentation-I
18-Nov	Term paper presentation-II
19-Nov	Term paper presentation-III
24-Nov	Term paper presentation-IV
1-Dec	Term paper presentation-V
3-Dec	Term paper presentation-VI

This lecture plan is revised on Oct. 12, 2009

According to this schedule, the classes we have missed and will miss in the regular class time are: 9/29; 10/6; 10/20; 10/22; and 10/27

The make up classes (already made and the ones scheduled) are: 9/9; 9/16; 9/23; 11/18.