

Course Outline
Introduction to SEM and EDS
for the New SEM Operator
 June 1, 2008

Sunday Morning Session

8:15-8:30 Registration (Whitaker Lobby)
 8:30-9:30 SEM Basics
 9:30-10:00 Preparation of Samples
 10:00-10:15 Break
 10:15-11:15 Lab: Basic Operation
 11:15-12:15 Lab: Sample Preparation
 12:15-1:30 Lunch (Whitaker Lobby)

Sunday Afternoon Session

1:30-2:30 Imaging and X-ray Analysis in the SEM
 2:30-3:30 Demo Lab: Using EDS Software
 3:30-3:45 Break
 3:45-4:45 Lab: Optimizing the Image
 4:45-5:30 Element Identification and Compositional Analysis

Sunday Evening Session

5:30-7:30 Dinner (Whitaker Lobby)

 7:00-9:00 This course ends with Dinner. After dinner, participants should join the main, Scanning Electron Microscopy, course, which starts with an evening session.

 See the SEM course program for details.

Note: All classes and labs will be in Whitaker Lab.

*Disclaimer: The organizers reserve the right to change the instrumentation or sequence of lecture topics and to cancel lectures or substitute lecturers if necessitated by circumstances beyond their control.
 Updated 9/18/07*