

Course Outline
Introduction to SEM and EDS
for the New SEM Operator
 June 3, 2012

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
 2:30-3:15 Element Identification and Compositional Analysis
 3:15-3:25 Break
 3:25-4:25 Lab: Using EDS Software
 4:30-5:30 Lab: Optimizing the Image

Sunday Evening Session

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

This course ends with Dinner.

After dinner, participants should join the flagship course, ***Scanning Electron Microscopy and X-ray Microanalysis***, which starts at 7:00 p.m.

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 9/7/11.