A TEM Short Course from the AIM Lab, NanoCenter, University of Maryland

AN INTRODUCTION TO TEM FOR NEW TEM OPERATORS

A Transmission Electron Microscopy (TEM) short course will be offered this summer break (June 2024) through the AIM Lab at the NanoCenter, University of Maryland. This is a hands-on course aimed at introducing the basic concepts, instrumentations and application of TEM to new operators. The lecture portion of the course will focus on fundamental theory in TEM; laboratory exercises are designed to provide instruction on both the operation of TEM and useful techniques for materials characterization using TEM. This course is also recommended as a refresher course to individuals with prior knowledge and operating familiarity with the TEM.

TEM Class: Date: Four days, June 25, 26, 27 and 28, 2024
Lecture: 09:30 am - 12:00 pm. (Theory)
Laboratory: June 25, 26, 27 and 28, 2024
Two hours/group/day (TEM operation, 2 ~ 3 students/group)
Rooms: Lecture Room: TBA
Lab: TEM facility, Room 1237B, Kim Building.
Fee: Lecture and Lab Course: $435 per person*, $395 per person for members of research groups with multiple enrollments, or for individuals concurrently enrolled in the TEM and SEM short courses. Lecture only: $225 per person.
Limit: Maximum enrollment is 9 (three groups, 2-3 students per group)

To encourage all potential users to register for the short course, a discount will be offered to individuals if they are affiliated with a research group where other members are also enrolled in the course or if s/he is attending both TEM and SEM (see SEM short course announcement).
* This fee applies to UMD users only. Different fees apply for non-UMD participants; please check with the AIM Lab office by calling W-A Chiou at (301)-405-0541 or send an e-mail to wachiou@umd.edu for more information.

To enroll, please fill out the attached application form and submit to W-A Chiou by 12:00 pm, Thursday (06/20/24) at Room 1234, Kim Building. Students accepted into the class will be informed by e-mail by Sunday (06/23/2024).

Please note that all class participants must be fully vaccinated before attending the class. During the laboratory hours, wearing a properly fitted mask is encouraged.

Enclosure: TEM Short Course Application Form
Application Form for UMD Summer (June 2024) TEM Short Course

Name: __________________________________________________________________
Last, First Middle Initial

Department: _____________________________________________________________

Telephone No.: ___________________________________________________________

E Mail Address: __________________________________________________________

Advisor and/or PI: ________________________________________________________

Payment: Check or KFS (7 – digit) Account No.: ________________________________

Course to be attended: TEM Short Course____________________________________

Research Topic: __________________________________________________________
________________________________________________________________________

Is there any other attendee from your research group? ___________, and his/her
Name: __________________________________________________________________

Will you also attend SEM and/or FIB short course? ______________________________

Signed: ____________________________(Student)  Date: ___________________

Signed: ____________________________(Advisor/PI)  Date: ___________________