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 coming winter break (January 2022) 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, January 18, 19, 20 and 21, 2022
            Lecture:  09:30 - 11:50 am. (Theory)
            Laboratory: January 18, 19, 20 and 21, 2022
                        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: $425 per person*, $375 per person for members of research groups with multiple enrollments, or for individuals concurrently enrolled in the TEM and SEM short courses.
                        Lecture only:  $210 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.

To enroll, please fill out the attached application form and submit to W-A Chiou or S-C. Liou by 5:00 pm, Thursday (01/13/22) at room 1234 or 1237A Kim Building. Students accepted into the class will be informed by e-mail by Sunday (01/16/22).

Please call W-A Chiou at 5-0541 e-mail to wachiou@umd.edu for more information.

Please note that all class participants must be fully vaccinated before attending the class. During the class/laboratory, the 4 Maryland protocols (mainly wear a properly fitted mask when required, keep your distance from others, and stay home if you are sick) will continue to follow.

Attachment: TEM Short Course Application Form
Application Form for Winter (2022) TEM Short Course

Name: __________________________________________________________

                     Last, First Middle Initial

Department: ______________________________________________________

Telephone No.: __________________________________________________

E Mail Address: __________________________________________________

Advisor: _________________________________________________________

Payment: Check or KFS Account No. (7-digit): __________________________

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 short course? _________________________________

Signed: _____________________________ (Student)       Date: ______________

Signed: _____________________________ (Advisor)       Date: ______________