

# **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 2024) through the AIMLab 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, 22 and 23, 2024

**Lecture:** 09:30 - 11:50 am. (Theory)

**Laboratory:** January 18, 19, 22 and 23, 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 and/or FIB short courses.

**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 by 5:00 pm, Friday (01/12/24) at room 1234 Kim Building. Students accepted into the class will be informed by e-mail by Monday (01/15/24).

Please call W-A Chiou at 5-0541 e-mail to [wachiou@umd.edu](mailto:wachiou@umd.edu) for more information.

Attachment: TEM Short Course Application Form

