

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

AN INTRODUCTION TO TEM FOR NEW TEM OPERATORS

A Transmission Electron Microscopy (TEM) short course will be offered during the Summer 2026 break through the AIM Lab at the NanoCenter, University of Maryland. This hands-on course is designed to introduce new users to the fundamental principles of TEM, including instrumentation, instrument operation, and application in materials characterization.

The lecture portion of the course will cover the basic theory and principle of TEM, while laboratory sessions will provide practical instruction in TEM operation and commonly used characterization techniques. This course is also recommended as a refresher for individuals who have prior knowledge of TEM and previous experience operating the instrument.

TEM Class: Date: Four days, June 29, 30, July 1 and 2, 2026

Lecture: 09:30 am - 12:00 pm. (Theory)

Laboratory: Four days, June 29, 30, July 1 and 2, 2026

Two hours/group/day (TEM operation, 2 ~ 3 students/group)

Rooms: Lecture Room: TBA

Lab: TEM facility, Room 1237B, Jeong H. Kim Building.

Limit: Maximum enrollment is 9 (three groups, 2-3 students per group)

Fee*: Lecture and Lab Course: \$450 per person, \$415 per person for participants from the same research groups with multiple enrollments, or for individuals concurrently enrolled in the TEM and SEM or FIB short courses. \$235 per person for lecture-only or laboratory-only participation (subjected to instructor approval).

To enroll in the course, please complete the attached application form and submit it to the AIM Lab office by 5:00 p.m. on Wednesday, June 24, 2026. Applications should be submitted to Room 1234, Jeong H. Kim Building. Applicants who are accepted into the course will be notified by e-mail no later than Saturday, June 27, 2026.

* This discounted fee applies to University of Maryland (UMD) participants only. Different registration fees apply for non-UMD participants. For more information, please contact the AIM Lab office by phone at (301)-405-0541 or by e-mail at wachiou@umd.edu.

Enclosure: TEM Short Course Application Form

Application Form for UMD Summer (June 2026) TEM Short Course

Name: _____
Last, First Middle Initial

Department: _____

Telephone No.: _____

E Mail Address: _____

Advisor and/or PI: _____

Payment: Check or UMD Worktag 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: _____