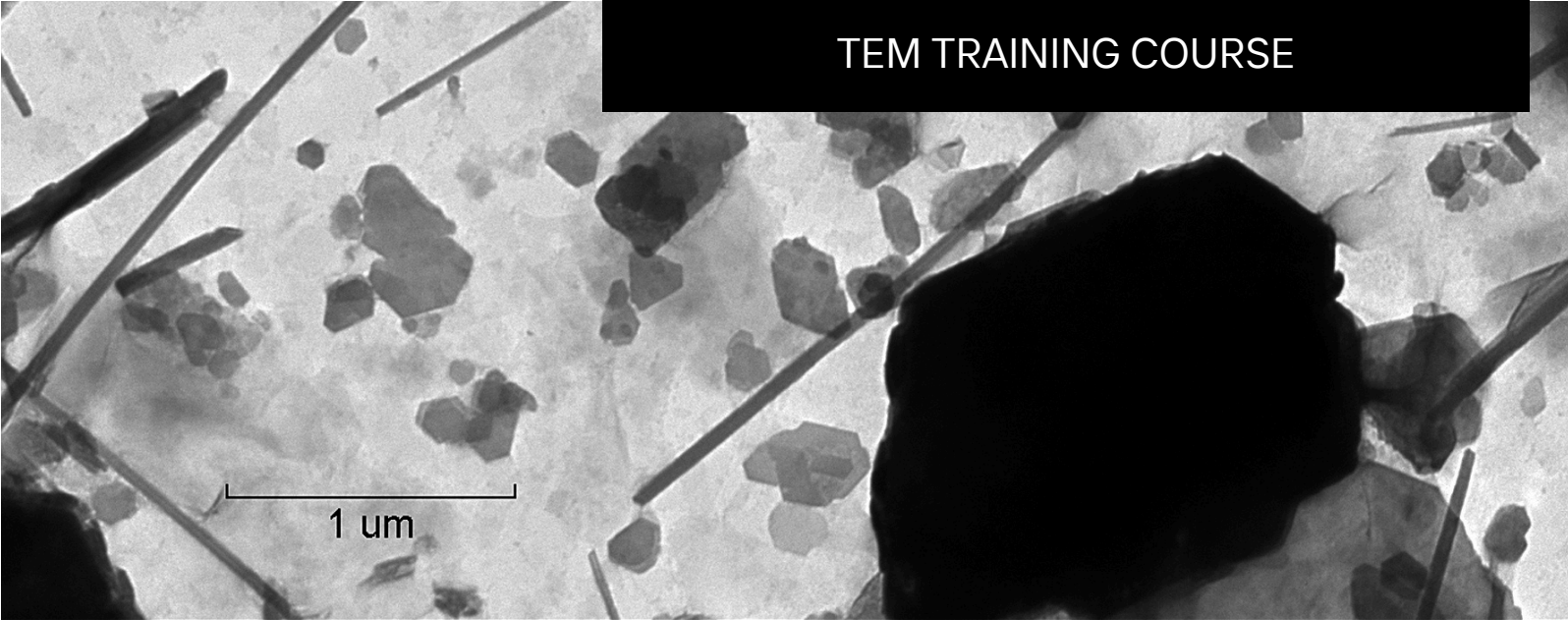


# FUNDAMENTALS OF ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY TEM TRAINING COURSE



## ABOUT THE COURSE

Taught at our facility in Duluth, Georgia, this 3-day course includes classroom instruction on TEM methods for asbestos testing with hands-on training for sample preparation and TEM analysis in the laboratory.

Use of the TEM includes calibration, selected area electron diffraction, and x-ray elemental analysis modes for identification of asbestos and mineral fibers.

The course also includes information on electron diffraction indexing. Discussion on asbestos in air, water, dust, bulk materials, soil, vermiculite, and other developing methods is included.

## ENROLLMENT INFORMATION

**WHO SHOULD ATTEND** Analysts and laboratory managers who are involved with the analysis of samples for asbestos fibers. A basic knowledge of microscopy is helpful, but not required.

**CLASS SIZE** Limited to 6 students to allow considerable hands-on microscopy experience with the methods.

**COST** \$2175 – Lab fees, course materials & lunches are included in the cost of the course.

**REGISTRATION** Course instruction form and payment required prior to starting the class.

## KEY TOPICS

1. ASBESTOS BASICS
2. AIR METHODS
  - AHERA
  - NIOSH 7402
  - ISO10312
  - ASTM D6281
3. AIR SAMPLE COLLECTION AND PREPARATION
4. IDENTIFICATION OF ASBESTOS BY TEM
  - Analysis by TEM
  - EDXA
  - Electron Diffraction
  - Calibrations
5. COUNTING GUIDELINES
6. REPORTING
7. DUST AND OTHER METHODS

## COURSE INSTRUCTORS

Dr. James R. Millette, Dr. Steven P. Compton

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