

# ME 5330: EM of Nanomaterials

Fundamental theories of scanning electron microscopy, energy dispersive spectrometer, and nanomaterials; operating principles for Hitachi S-4800 high resolution scanning electron microscope; hands-on experiences on secondary and backscattering images, x-ray microanalysis and characterization of nanomaterials. Limited to 15 students/seats.

**Credits:** 3.0

**Program:** [Mechanical Engineering](#)