

ME 7250: Nano/Microscale Mater Behavior

Atomic arrangements in crystalline solids, imperfections in crystalline solids, the relationship between nano-/micro-structure and materials properties, the synthesis and behavior of nanomaterials, and the characterization at the nano-/micro-scales; demonstration labs on materials behavior at the nano-/micro-scale using X-ray diffraction, atomic force microscope, bubble raft, and nanoindenter.

Credits: 3.0