

MECH6367 - Mechanical Properties of Materials

[MECH 6367](#) ([MSEN 6310](#)) Mechanical Properties of Materials (3 semester credit hours)

Phenomenology of mechanical behavior of materials at the macroscopic level and the relationship of mechanical behavior to material structure and mechanisms of deformation and failure. Topics covered include elasticity, viscoelasticity, plasticity, creep, fracture, and fatigue. Prerequisite: [MECH 2320](#) or [MECH 5300](#) or equivalent. (3-0) R