MSEN 6361 - Deformation Mechanisms in Solid Materials

MSEN 6361 Deformation Mechanisms in Solid Materials (3 semester credit hours) Linear elastic fracture mechanics, elastic-plastic fracture mechanics, time dependent failure, creep and fatigue, experimental analysis of fracture, fracture and failure of metals, ceramics, polymers and composites. Failure analysis related to material, product design, manufacturing and product application. Prerequisite: MSEN 5300 or M ECH 6301 or MSEN 6310 or equivalent. (3-0) R