

# ME 7205: Advanced Dynamics

Particle dynamics, system of particles, impulse and momentum, energy concepts, Lagrange's equations, kinematics of rigid body motion, dynamics of a rigid body. Approval of instructor. Prerequisite may be waived with permission of the chair. Undergraduate students must obtain permission of the department chair.

**Credits:** 3.0

**Prerequisites:**

ME 7000 :C

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