

ME 7206: Dynamics of Rotating Machinery

Coordinate systems and kinematics of rotor motion, critical speeds and unbalance excitation, effect of asymmetry in rotor and stator, gyroscopic effect, stability and energy concepts, hydrodynamic bearings, finite element modeling, nonlinear phenomena in machinery. Undergraduate students must obtain permission of the department chair.

Credits: 3.0

Program: [Mechanical Engineering](#)