

CIEG 302: Dynamics

Study of motions of particles, particle systems, rigid bodies and simple deformable mass system, rectilinear and curvilinear kinematics, Newton's laws of motion and gravitation, work energy and impulse-momentum principles, conservation laws for energy and momentum, introduction to vibrations, computer-aided applications.

Credits: 3

Prerequisites/Permissions:

CIEG 202; Coreq.: MATH 159.

Program:

Civil Engineering

COURSE DESCRIPTIONS