

ENR202 : Dynamics

Learn about the branch of applied mathematics concerned with the study of forces and torques, and their effect on motion. The course focuses on kinematics, vector descriptions of a point, vector equations related to velocity and acceleration, Newton's Law for a particle, angular velocity and acceleration, moment of inertia of a rigid body, parallel axis theorem, work/energy for a particle and a rigid body, and conservation of momentum and angular momentum.

Credits 3

Prerequisite Courses

[ENR201: Statics](#)

[MAT250: Calculus II](#)

Semester Offered

Varies