

ENGR-304 : Statics

Vector analysis includes couples, resultants, free-body diagrams, friction and rigid bodies. Equilibrium mechanics with trusses, frames, centers of mass, bending and shear forces in beams, moments of inertia and parallel-axis theorem. Use of software for vector/matrix algebra (eg, MATLAB). Offered alternate years.

Credits 3

Prerequisites

MATH-210; PHYS-221 (minimum grade C-)

Term Offered

Fall Only

Session Cycle

F