

PHYS 3338 : Classical Mechanics

A theoretical study of classical motion beginning with Newtonian mechanics, and progressing to the Lagrangian and Hamiltonian formulations of dynamics. Conservation laws, systems of particles, oscillations, gravitation, central forces, non-inertial frames, rigid bodies, non-linear systems and chaos.

Credits 3

Course ID

008453

Requisites

[PHYS 3338](#) Prerequisites: [PHYS 2334](#)/2112, ENGR/[PHYS 3343](#)