

# Phys 310: Mechanics

## Physics & Astronomy

This course is a study of the motion of systems of particles and rigid bodies in inertial and non-inertial reference frames, using the Newtonian, Lagrangian and Hamiltonian formulations of classical mechanics. Topics include harmonic motion, drag forces, conservative forces and energy, and the Coriolis and centrifugal forces.

3 Credits

### Prerequisites

- [Math 353: Elementary Differential Equations](#)
- Pre-Requisite: 24 Earned Hours
- Phys 212 or Phys 303

### Instruction Type(s)

- Lecture: Lecture for Phys 310

### Subject Areas

- [Physics, General](#)

### Related Areas

- [Acoustics](#)
- [Atomic/Molecular Physics](#)
- [Condensed Matter and Materials Physics](#)
- [Elementary Particle Physics](#)
- [Nuclear Physics](#)
- [Optics/Optical Sciences](#)
- [Physics, Other](#)
- [Theoretical and Mathematical Physics](#)

