

GENERAL PHYSICS: Mechanics, PHYS 1403, SPRING 2018

Instructor: Dr. Hari Nair; hnair@utep.edu

Office: PSCI 223 C Phone: 747-7544

Office hours: TR 1:30 pm – 2:30 pm

Lectures: Mon, Wed 11:00 am – 12:20 pm, CRBL C305

Term: Spring 2018

Course: PHYS 1403; **CRN:** 26273

Course objectives

The objective of PHYS 1403 is to introduce students to fundamentals of algebra-based general mechanics. The problems and assignments are designed to enhance problem-solving capabilities. Laboratory Section is mandatory for this course.

Main textbook: *College Physics, 3rd edition*, by Randall D. Knight, Brian Jones, Stuart Field.

Register for online homework at masteringphysics.com

Course ID: **nair34773**

Grading policy: 2 mid-term exams 40% (20% each); final exam 30%; lab 15%; homework 15%

Course schedule

1) Ch 1 Representing Motion; 2) Ch 2 Motion in One Dimension; 3) Ch 3 Vectors and Motion in Two Dimensions; 4) Ch 4 Forces and Newton's Laws of Motion; 5) Ch 5 Applying Newton's Laws; 6) Ch 6 Circular Motion, Orbits, and Gravity; 7) Ch 7 Rotational Motion; 8) Ch 8 Equilibrium and Elasticity; 9) Ch 9 Momentum; 10) Ch 10 Energy and Work; 11) Ch 14 Oscillations

Disability statement

If you have a disability please contact Center for Accommodations and Support Services (CASS) *ph:* 747-5148, *email:* cass@utep.edu

Office: Union East Building, Room 106

Without CASS documentation, no accommodations can be made. Please take care of this before the first exam.

Military Statement

If you are a military student with the potential of being called to military service and/or training during the course of the semester, you are encouraged to contact the instructor at the beginning of the semester.

Academic Integrity policy

<https://www.utep.edu/student-affairs/osccr/student-conduct/academic-integrity.html>