GENERAL PHYSICS: Electricity and magnetism, PHYS 1404, FALL 2017

Instructor: Dr. Hari Nair; hnair@utep.edu
Office: PSCI 223 C  Phone: 747-7544
Office hours: Tue, Thu 2:00 am – 3:00 p.m
Lectures: MW 11:30 – 12:50, Education Building 202
Term: Fall 2017
Course name: PHYS 1404; CRN: 15893

Course objectives
PHYS 1404 provides students with a clear description of physical phenomena to improve problem-solving abilities. Basics of algebra-based electricity and magnetism will be covered in the lectures. Laboratory section in mandatory for this course.

Main textbook: College Physics, a strategic approach (third edition technology update) by Knight, Jones and Field
Register for online homework at Pearson Masteringphysics
Course ID: nair41912

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

Course schedule
1) Ch. 20 Electric forces and fields; 2) Ch. 21 Electrical potential; 3) Ch. 22 Current and resistance;
4) Ch. 23 Circuits; 5) Ch. 24 Magnetic fields and forces; 6) Ch. 25 Electromagnetic induction; 7) Ch. 26 AC electricity 8) Ch. 18 Ray optics

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

Hari Nair, Assistant Professor, Department of Physics, UTEP