

## GENERAL PHYSICS II

Electricity and magnetism, PHYS 1404 (CRN 12559), FALL 2022

12:00 noon-1:20 pm, MW Geology Building 123, Aug 22-Dec 1

**Instructor:** Dr. Hari Nair, Department of Physics

**Email:** [hnair@utep.edu](mailto:hnair@utep.edu), **Office:** PSCI 223 C, **Phone:** 747-7544, **Office hours:** through appointment

**TA:**

### Course content

Algebra-based electricity and magnetism.

• Electric forces and fields • Electrical potential • Current and resistance • Circuits • Magnetic fields and forces • Electromagnetic induction • AC electricity • Ray optics

**Chapters 20 – 26, 18**

### Textbook and online course management

*College Physics, a strategic approach* (4e), Knight, Jones and Field

**IMPORTANT:** Register at [Mastering Physics | Pearson](#)

(lecture slides, homework, exams are managed through the Pearson online tool)

Course ID for registering at Mastering Physics: **nair96072**

**Final exam schedule:** [https://www.utep.edu/student-affairs/registrar/Scheduling/Final%20Exam%20Schedule\\_Fall2022.pdf](https://www.utep.edu/student-affairs/registrar/Scheduling/Final%20Exam%20Schedule_Fall2022.pdf)

**Grading policy: 3 exams in Sep, Oct, Nov (30%) + final exam in Dec (30%) + homework after each chapter (10%) + lab (15%) + quizzes/class performances (15%)**

**Grades:** >85% = A, 85-70% = B, 70-60% = C, 60-45% = D, < 45% = F

**Lab is not my responsibility. There is another instructor who will take care of that.**

### Disability/Military statement

If you have a disability please contact Center for Accommodations and Support Services (CASS) *ph:* 747-5148, *email:* [cass@utep.edu](mailto: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. If you are a military student with the potential of being called to military service and/or training during 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>