Course information
PHYS 2426: "Physics for Scientists and Engineers II"
Spring 2026

Instructor: Joseph Romano
Office: BINAB 2.122
Phone: 956-882-7151 (V. Penix, STSSI program coordinator)
Email: joseph.romano@utrgv.edu
Office hours: MW: 12:30pm-2:00pm and by appointment (in-person or via zoom)
Lectures: MW: 11:00am – 12:15pm (BINAB 2.204)

Course website: https://josephromano.github.io/PHYS2426/

Required textbook: None required, but see course website for lecture notes, suggested problems and solutions, and other reading material, etc.

Course description: A continuation of PHYS 2425 covering the principles of electricity, magnetism, and electromagnetic wave phenomena. The course includes three laboratory hours a week to emphasize course concepts.

Prerequisites: PHYS 2425 and MATH 2414

Student learning outcomes: Understand and solve basic problems related to electricity, magnetism, and electromagnetic wave phenomena.

Class attendance: Students are expected to attend all scheduled classes. UTRGV's attendance policy excuses students from attending class if they are participating in officially sponsored university activities, such as athletics, accommodation by Student Accessibility Services (SAS), observance of religious holy days, or military service. Accommodations related to long-term complications from medical conditions should go through SAS. Students should contact me before the excused absence and arrange to make up missed work or examinations.

See "course calendar" on the course website, which specifies exam dates and tentative list of topics.

Make-up and extra-credit policy: Make-up exams and extra credit will not be given.

Exams: Three exams duration the semester plus the final exam.

In-class quizzes: There will be approximately 10 quizzes (unannounced) over the course of the semester. You can drop your two lowest quiz grades, which to allow for possible absences.

Grading:
Exams (3 during the semester) and final: 4x15% = 60%
Quizzes: 15%
Labs: 25% (taught and graded separately)