

# Phys 401: Electromagnetic Theory I PHYSICS & ASTRONOMY

Electrostatics, electric and magnetic properties of matter, Maxwell's equations and their solutions, propagation and radiation of electromagnetic waves. 3 Credits

## Prerequisites

- Phys 212: Physics for Science & Engineering II
- Math 264: Unified Calculus & Analytic Geometry IV
- Pre-Requisite: Phys 212 or Phys 303
- Pre-Requisite: 24 Earned Hours

#### **One-way corequisites**

Math 353: Elementary Differential Equations

## Instruction Type(s)

• Lecture: Lecture for Phys 401

## **Subject Areas**

Physics, General

### **Related Areas**

- <u>Acoustics</u>
- <u>Atomic/Molecular Physics</u>
- <u>Condensed Matter and Materials Physics</u>
- Elementary Particle Physics
- <u>Nuclear Physics</u>
- Optics/Optical Sciences
- Physics, Other
- Theoretical and Mathematical Physics



