

# 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**

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

