

# 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](#)

