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**
- 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