

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
- <u>Physics, Other</u>
- <u>Theoretical and Mathematical Physics</u>



