

EI E 341: Theory of Fields **ELECTRICAL ENGINEERING**

Field concepts, vector algebra and calculus, Laplace's equations, wave equation, diffusion equation and their solutions; electric and magnetic fields, electric and magnetic properties of matter, Maxwell's equations.

3 Credits

Prerequisites

• Math 264: Unified Calculus & Analytic Geometry IV

One-way corequisites

• Engr 410: Engineering Analysis II

Instruction Type(s)

• Lecture: Lecture for El E 341

Subject Areas

• Electrical and Electronics Engineering

Related Areas

- Electrical, Electronics and Communications Engineering, Other
- Laser and Optical Engineering
- Telecommunications Engineering

