

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 EI E 341

Subject Areas

- [Electrical and Electronics Engineering](#)

Related Areas

- [Electrical, Electronics and Communications Engineering, Other](#)
- [Laser and Optical Engineering](#)
- [Telecommunications Engineering](#)

