

## EE 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, Maxwell's equations.

3 Credits

### Prerequisites

- [Math 264: Unified Calculus & Analytic Geometry IV](#) \$target.descriptions.MinimumGrade\$
- [Engr 410: Engineering Analysis II](#) \$target.descriptions.MinimumGrade\$

### Instruction Type(s)

- Lecture: Lecture for EE 341

### Subject Areas

- [Electrical and Electronics Engineering](#)

### Related Areas

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

