

# El E 441: Electromagnetic Theory I

## ELECTRICAL ENGINEERING

Transmission-line theory, electric and magnetic properties of matter, plane waves, guided waves; wave propagation in anisotropic media, microwave networks, radiation, antennas.

3 Credits

### Prerequisites

- [El E 341: Theory of Fields](#)
- Pre-Requisite: 24 Earned Hours

### Instruction Type(s)

- Lecture: Lecture for El E 441

### Subject Areas

- [Electrical and Electronics Engineering](#)

### Related Areas

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

