

## **El E 442: Electromagnetic Theory II**

### **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](#)
- [El E 441: Electromagnetic Theory I](#)
- Pre-Requisite: 24 Earned Hours

### **Subject Areas**

- [Electrical and Electronics Engineering](#)

### **Related Areas**

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

