

# El E 451: Electrical Energy Conversion Electrical and Computer Engineering

Basic principles of electrical energy conversion; fundamentals of electromechanical devices and applications. DC and AC motors and generators. Transformers and electric power transmission.

3 Credits

## **Prerequisites**

- El E 331: Linear Systems
- Engr 360: Electric Circuit Theory
- Pre-Requisite: 24 Earned Hours

### One-way corequisites

• El E 341: Theory of Fields

#### Instruction Type(s)

• Lecture: Lecture for El E 451

#### **Subject Areas**

• Electrical and Electronics Engineering

#### **Related Areas**

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

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