**El E 451: Electrical Energy Conversion**

**ELECTRICAL 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

**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