## ECSE 470. ELECTROMECHANICAL AND STATIC CONVERSION SYSTEMS.

Credits: 4

Offered by: Electrical & Computer Engr (Faculty of Engineering)

This course is not offered this catalogue year.

## Description

Lumped parameter concepts of electromechanics. Reference frame theory and derivation of current and torque equations. Examples of AC electric machines: synchronous and induction types. Steady-state, transient and stability analysis. Power electronic voltage and frequency converters. Variable speed drives and generation systems. Laboratory work involving electric machine parameters, operation and power electronic control.

· (3-4-5)

- Prerequisite(s): ECSE 362
- · (3-4-5)

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