

ECSE 362. FUNDAMENTALS OF POWER ENGINEERING.

Credits: 4

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

This course is not offered this catalogue year.

Description

Characteristics and components of power systems. Generation, transmission and utilization of electric power. 3-phase ac and dc systems. Fundamentals of electromechanical energy conversion. Ampere and Faraday's law. Magnetic circuits. Mutual inductance and transformers. Torque and force. Rotating magnetic fields. Basic rotating machines. Lab work involving techniques of electric power, efficiency, torque, and speed measurements.

- Corequisite: CIVE 281
- Prerequisite(s): ECSE 210, and ECSE 251
- (3-4-5)

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