

ECSE 465. POWER ELECTRONIC SYSTEMS.

Credits: 3

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

This course is not offered this catalogue year.

Description

Introduction to power electronics: definition, applications and classification of converters. Review of analytical techniques. Overview of power semiconductor switches. Line communicated rectifiers and inverters. Switch mode power converters and modulation techniques. Choppers, inverters and rectifiers. Resonant mode converters. Application to power systems and energy conversion.

- (3-2-4)
- Prerequisites: ECSE 331 or ECSE 330 and ECSE 361 or ECSE 362
- This course is offered by the Power Engineering Institute.

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