

Faculty of Engineering & Technology

Power Electronics 1

Information :

Course Code : EPR 451

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Specialization of Electrical Power Engineering

Instructor Information :

Title	Name	Office hours
Professor	Naser Mohammed Bayoumy AbdelRahim	4
Teaching Assistant	Abeer Tharwat Said Awad	2

Description :

Introduction to power electronics, Power diodes, Thyristors: Construction, Characteristics, Application in rectifier circuits (converters), Firing circuits, Diac, Triac and Quadracs. Power transistors as switches, Phase shift controls, Phase controlled rectifiers-static switches.