

**Faculty of Engineering & Technology**

**Electronics**

**Information :**

**Course Code :** EED210

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Electrical Power Engineering

**Instructor Information :**

Title	Name	Office hours
Lecturer	MOSTAFA MOHAMED SALAHELDIN ABDELKHALEK ELEWA	1
Assistant Lecturer	Mohamed Essam Abd El Aziz Abd El Aal	

**Description :**

Models and characteristics of ideal and practical diodes. Diode circuit applications. Special diode types. MOSFET and BJT transistors: basic structure, I-V characteristics, DC circuits, transistor as an amplifier and a switch, small signal operation and models, amplifier configurations, Biasing circuits. Single stage integrated circuits amplifier.