

**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	Shimaa Ibrahim Sayed Mohamed	1
Teaching Assistant	Shorouk Mohamed khaleel Mohamed	

**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.