

**Faculty of Engineering & Technology**

**Electronics**

**Information :**

**Course Code :** EED210

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Communication and Computer Engineering

**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.