

**Faculty of Engineering & Technology**

**Electronic Circuits**

**Information :**

**Course Code :** EED311

**Level :** Undergraduate

**Course Hours :** 4.00- Hours

**Department :** Biomedical Engineering

**Description :**

Differential pair, small signal operation of the differential amplifier, multistage amplifiers.  
Frequency response of amplifiers, Bode plot. Feedback: General structure and topologies.  
Operational Amplifier: function and characteristics, configurations, application circuits.  
Oscillators and Multivibrators: concept of oscillations, OPAMP oscillators, and the 555 timer.