

## **Faculty of Engineering & Technology**

## **Electronic Circuits**

Information:

Course Code: EED311 Level: Undergraduate Course Hours: 4.00- Hours

**Department:** Computer & Intelligent Systems 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.