

Faculty of Engineering & Technology**Data Communication****Information :****Course Code :** EED381**Level :** Undergraduate**Course Hours :** 3.00- Hours**Department :** Computer & Intelligent Systems Engineering**Instructor Information :**

Title	Name	Office hours
Professor	Ahmed Salah Eldin Mohamed Ali	4

Description :

Analog communication systems: Amplitude modulation and demodulation; Angle modulation and demodulation. Digital communication: Pulse modulation; TDM; Line Codes; Error Probability Performance for binary systems. Basics of data communications and computer networks. Timing diagrams and calculation of total delay. Addressing in computer networks: Port; MAC and IP address of IPv4 and IPv6. Network layered models: 7-Layers and 5-layers models. Protocols in TCP/IP models. Error control. Examples: LAN, WLAN, é etc.