

Faculty of Engineering & Technology

Analog Communication Systems

Information :

Course Code : EED330

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Communication and Computer Engineering

Instructor Information :

Title	Name	Office hours
Professor	Hussein Abdel Atty Elsayed Mohamed	1
Teaching Assistant	Ahmed Mostafa Khattab Abdullah Abo shoaib	

Description :

History of communication. Analog communication systems: Block diagram, Transmission media, Frequency bands, Channel capacity and Data rate. Review of signals and systems: Energy and power spectral densities (internal and external noise sources, noise figure, noise temperature, composite noise figure and composite noise temperature). Linear and nonlinear distortion. Link budget analysis. Amplitude modulation and demodulation (AM, SSB, DSB and VSB). Angle modulation and demodulation (PM and FM). FDM Systems. Broadcasting transmitters and receivers (AM, SSB, and FM). Automatic Gain Control (AGC). Automatic frequency control (AFC).