

## Faculty of Engineering & Technology

## **Control Systems**

Information :					
Course Code : EED302	Level	:	Undergraduate	Course Hours :	3.00- Hours
Department : Communication and Computer Engineering					
Description :					
Introduction to feedback control systems. Block diagram reduction. Steady-state error. Transient response analysis: maximum overshoot, settling time, rise time and peak time. System stability and Routhos criterion. Root-Locus analysis: asymptotes, breakaway points, angles of departure. Design of PID controller using root-locus. Frequency response analysis techniques and Bode diagrams. Design of series compensators using Bode Diagrams.					

Applications using Matlab.