

Faculty of Engineering & Technology

Control Systems 1

Information :

Course Code : CMP 371

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Department of Electrical Engineering

Instructor Information :

Title	Name	Office hours
Professor	Said Fouad Mohamed Mekhemar	3
Assistant Lecturer	Mohamed Abdallah Mahmoud Shaheen	1
Assistant Lecturer	Mohamed Essam Abd El Aziz Abd El Aal	
Assistant Lecturer	Ahmed Moreab Hussien Mohamed	

Description :

Introduction to control systems, Advantages of closed-loop feedback systems, The role of the system mathematical model, Block diagrams and signal flow graphs, The basic control system design problem, stability in control systems, Frequency response analysis techniques, Root-locus analysis, Elementary lead-lag compensation, Examples on continuous control systems, Transient response, Static error analysis, Frequency response, Polar plots, Logarithmic plots, Relative stability, Root locus, Compensation in frequency domain.