ENGR3400 : Control Systems

Introduction to the operation of dynamic systems, elements of modeling, equilibrium and linearization, Laplace transformation techniques, system response via the transfer function, block diagrams and computer simulation, matrix operations, system response via state variables, and stability. Modeling and simulation of lumped parameter mechanical, electrical, thermal, fluid, and mixed systems, control algorithms, stability, transient response and frequency response. **Fee**: Additional fee required.

Credits 3

Concurrent

ENGR3400L

Prerequisites

ENGR2210, MATH3540

Fees

$330