EGR 8301: Control Systems Engineering

Review of dynamic process modeling, linearization, transfer function and state-space models. Stability and dynamics of open-loop and closed-loop systems. Feedback control system design and analysis in the frequency and time domain. Topics include: Bode, Nyquist, and Root locus design; multivariable control; feedforward control. Prerequisite: Undergraduate background in systems and control.

Credits: 3.0
Program: Engineering