MEC E 420 - Feedback Control Design of Dynamic Systems

★ 3.8 (fī 8) (either term or Spring/Summer, 3-o-3/2) Design of linear feedback control systems for command-following error, stability, and dynamic response specifications. PID, Root-locus, frequency response and design techniques. An introduction to structural design limitations. Examples emphasizing Mechanical Engineering systems. Some use of computer aided design with MATLAB/Simulink. Controls Lab - control of mechanical systems. Prerequisites: MEC E 390. Credit can only be granted for one of MEC E 420, ECE 362, CH E 448.