ECE 4290: Engr System Models & Control

Modeling and analysis of electrical, mechanical, and electromechanical systems; open-loop and feedback systems; frequency domain models; state equations; linearization; time response; steady-state error; block diagrams and signal flow graphs; stability criteria; root locus method. Practicum includes laboratory experiments involving actual engineering systems. Three lecture hours and a two-hour practicum per week.

Credits: 4.0
Prerequisites:
ECE 2290
ECE 2054
PHY 2402
(ECE 2290 :D- or ECE 2051 :D- or ECE 2054 :D-) and PHY 2402 :D-
Program: Electrical and Computer Engineering