ECE 2290: 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 locust method. Practicm includes laboratory experiments involving actual engineering systems. Three lecture hours and a two-hour practicum per week.

Credits: 4.0
Prerequisites:
ECE 2030
ECE 2031
PHY 2402
ECE 2030 and ECE 2031 and PHY 2402
Program: Electrical and Computer Engineering