EE 410 : Cyber Physical Systems

This course takes on an updated view of electrical engineering systems, especially in light of the their increasing predominant cyber-physical nature. It offers a review of modeling physical systems, including electrical, mechanical, thermal and fluid. It also covers notions such as hybrid (continuous-discrete) and applied control theory. Modeling computational (cyber) aspects of modern systems is then discussed, along with relevant considerations including communications, aggregate control, and connected sensing and actuation.
Credits 3
Lab Hours 0
Lecture Hours 3
Tutoring Hours 0
Prerequisite Courses
EE 306
Corequisites
None