Cp E 421: Embedded Systems Design

Electrical and Computer Engineering

Characteristics of embedded computing applications; performance metrics in embedded systems; embedded system design process; microcontroller/CPU/SoC/DSP ISAs; processes and operating systems; RTOSes; peripheral busses; networking and distributed embedded architectures; interfacing with memory; analog I/O.

3 Credits

Prerequisites
- EI E 351: Electronics Circuits I
- EI E 485: Microprocessor Systems Engineering
- EI E 486: Microprocessor Systems Engr Lab

Instruction Type(s)
- Lecture: Lecture for Cp E 421

Course Fee(s)
Electrical Eng
- $50.00

Subject Areas
- Computer Engineering, General

Related Areas
- Computer Hardware Engineering