Cp E 421: Embedded Systems Design

Electrical 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

- El E 351: Electronics Circuits I $target.descriptions.MinimumGrade$
- El E 485: Microprocessor Systems Engineering $target.descriptions.MinimumGrade$
- El E 486: Microprocessor Systems Engr Lab $target.descriptions.MinimumGrade$

Instruction Type(s)

- Lecture: Lecture for Cp E 421

Subject Areas

- Computer Engineering, General

Related Areas

- Computer Hardware Engineering