

# Cp E 421: Embedded Systems Design

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: Models and Circuits I
- El E 485: Microprocessor Systems Engineering
- EI E 486: Microprocessor Systems Engr Lab

## Instruction Type(s)

Lecture: Lecture for Cp E 421

#### Subject Areas

<u>Computer Engineering, General</u>

#### **Related Areas**

<u>Computer Hardware Engineering</u>

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