

# 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**

- El E 351: Models and Circuits I
- El E 485: Microprocessor Systems Engineering
- El E 486: Microprocessor Systems Engr Lab

## Instruction Type(s)

• Lecture: Lecture for Cp E 421

## **Subject Areas**

• Computer Engineering, General

### **Related Areas**

• Computer Hardware Engineering