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