

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

- <u>El E 351: Electronics Circuits I</u> \$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

