

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 \$target.descriptions.MinimumGrade\$
- <u>El E 485: Microprocessor Systems Engineering</u> \$target.descriptions.MinimumGrade\$
- EI E 486: Microprocessor Systems Engr Lab \$target.descriptions.MinimumGrade\$

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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