

Cp E 431: Computer Architecture

Computer Architecture: instruction set architecture; single-cycle, FSM, and pipelined processor microarchitecture; hazards; memory technology; caches; memory protection, translation, and virtualization; FSM and pipelined cache microarchitecture; integration of processors and memories; performance analysis; superscalar execution; multiprocessors.

3 Credits

Prerequisites

- El E 485: Microprocessor Systems Engineering \$target.descriptions.MinimumGrade\$
- El E 385: Advanced Digital Systems \$target.descriptions.MinimumGrade\$

Instruction Type(s)

Lecture: Lecture for Cp E 431

Subject Areas

<u>Computer Engineering, General</u>

Related Areas

<u>Computer Hardware Engineering</u>

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.

