

CEG 420/620 Computer Architecture

Fall 2010, 1:30-2:20 PM, M., W., F., at 155 RC

Instructor: Jack Jean

Office Hours: 12:30 -1:20 PM & 3:40-4:30 PM, M., W., F.; 334 RC, 775-5106,
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Textbook: Computer Organization and Design, 4th edition, David Patterson and John Hennessy, Morgan Kaufmann, 2008.

Weekly Schedule:

Week	Contents	Chapters to Read
1	Overview, Processor Instructions	1, 2
2	Computer Arithmetic	3
3	Computer Arithmetic	3
4	Processor: Datapath and Control	4
5	MIDTERM ; Processor: Pipelining	4
6	Processor: Pipelining	4
7	Memory Hierarchy	5
8	Memory Hierarchy	5
9	Computer Peripherals	6
10	Multicores, Multiprocessors	7

Grading: Final letter grade: 90+ (A), 80+ (B), 70+ (C), 60+ (D), otherwise (F).

- Project - 30%.
- HW - 10%
- Midterm - 30%; Oct. 8, Friday.; open book and notes.
- Final - 30%; Nov. 15, Mon., 1-3 PM; Not comprehensive, open book and notes.
- Students taking CEG620 will be assigned more analysis works for assignments/tests.