

## CS2410 LECTURE SCHEDULE – FALL 2011

(As of November 28, 2011)

For papers, visit the course web page (<http://www.cs.pitt.edu/~cho/cs2410>).

WK	Meet	Date	Topic	Book Reading ( ): optional
1	1	Aug. 29	Course introduction	H&P: Ch. 1
	2	Aug. 31	Building blocks & technology trend	
2	-	Sep. 5	(Labor day)	(H&P: App. I)
	3	Sep. 7	Principles of computer architecture & design	
3	4	Sep. 12	Core design – instruction set architecture 1	H&P: App. B (H&P: App. J)
	5	Sep. 14	Core design – instruction set architecture 2	
4	6	Sep. 19	Core design – instruction set architecture 3	H&P: Ch. 2 H&P: Ch. 3
	7	Sep. 21	<del>GUEST LECTURE by ARM (canceled)</del>	
5	8	Sep. 26	Core design – pipeline 1	H&P: App. A
	9	Sep. 28	Core design – pipeline 2	
6	10	Oct. 3	Core design – pipeline 3	
	11	Oct. 5	Core design – pipeline 4	
7	-	Oct. 10	(Fall break)	-
	12	Oct. 11	Core design – L1 cache 1	
	13	Oct. 12	<b>EXAM #1</b>	
8	14	Oct. 17	Core design – L1 cache 2	H&P: App. C (Solihin: Ch. 6)
	15	Oct. 19	System design – L2 cache 1	
9	16	Oct. 24	System design – L2 cache 2	H&P: Ch. 5 (Solihin: Ch. 14)
	17	Oct. 26	System design – main memory	
10	18	Oct. 31	System design – I/O interface	(Solihin: Ch. 16)
	19	Nov. 2	System design – Hard disk drive & RAID	
11	20	Nov. 7	(reserved)	H&P: Ch. 6
	21	Nov. 9	<b>EXAM #2</b>	
12	22	Nov. 14	<del>GUEST LECTURE by Dan Tennant (NetApp)</del>	
	23	Nov. 16	Main memory technology	
13	-	Nov. 21	Main memory technology (cont'd)	
	-	Nov. 23	(Thanksgiving)	
14	24	Nov. 28	Main memory technology (cont'd)	
	25	Nov. 30	<del>GUEST LECTURE by Chanik Park (Samsung) – Solid-state drives 1</del>	
15	26	Dec. 5	<del>GUEST LECTURE by Chanik Park (Samsung) – Solid-state drives 2</del>	
	27	Dec. 7	System design – GPGPU	
16	28	Dec. 12	System design – Power and energy	<a href="http://www.nvidia.com/object/cuda_home_new.html">www.nvidia.com/object/cuda_home_new.html</a>
	29	Dec. 14	<b>FINAL EXAM</b>	