15-213/18-213/15-513: Intro to Computer Systems, Summer 2014

Discussion

Date	Lecture/Recitation	Reading	Problems	Labs
Tue May 20	Administrivia	1		
Wed May 21	Overview	1		
Thu May 22	Bits, Bytes, Ints, 1	2.1-2.3		L1 (datalab) out
Tue May 27	Bits, Bytes, Ints, 2	2.1-2.3	2.62, 2.67, 2.75, 2.82.62, 2.67, 2.75, 2.811	
Wed May 28	Floating Point	2.4-2.5	2.86, 2.88, 2.89	
Thu May 29	Machine Prog: Basics	3.1-3.5, 3.13.1-3.13.3	3.54	
	Recitation 2 (pdf)			
Mon Jun 2				L1 (datalab) due
Tue Jun 3	Machine Prog: Control	3.6, 3.13.4	3.59, 3.43	L2 (bomblab) out
Wed Jun 4	Machine Prog: Procedures	3.7		
Thu Jun 5	Machine Prog: Data	3.8-3.9, 3.13.5		
	Recitation 3 (pdf)			
Tue Jun 10	Machine Prog: Advanced	3.10-3.12, 3.14-3.15	3.66, 3.43	L2 (bomblab) due, L3 (buflab) out
Wed Jun 11	The Memory Hierarchy	5	5.3, 5.8	
Thu Jun 12	Cache Memories	6.1-6.3	6.2, 6.3, 6.8	
	Recitation 4 (pdf)			
Tue Jun 17	ECF: Exceptions & Processes	6.4-6.7	6.13-6.21	L3 (buflab) due, L4 (cachelab) out
Tue Jun 18	ECF: Signals & Nonlocal Jumps	8.1-8.4	8.2-8.4	

Day	Date		Topic	Reading		Lab
Thu	Jun	19	Linking *Recitation 5* (pdf)	8.5-8.8	8.5-8.7, 8.10	
Tue	Jun	24	System Level I/O			L4 (cachelab) due, L5(tshlab) out
Thu	Jun	26	Virtual Memory: Concepts *Recitation 6* (pdf)	10	10.2, 10.3	
Tue	Jul	1	Virtual Memory: Systems			
Wed	Jul	2	Dynamic Memory Allocation: Basic *Recitation 7* (pdf)	9.7-9.8	9.14	
Tue	Jul	8	Dynamic Memory Allocation: Advanced	9.9	9.6, 9.7	L5 (tshlab) due, L6 (malloclab) out
Thu	Jul	10	Internetworking *Recitation 8* (pdf)	9.10-9.13	9.18	
Tue	Jul	15	Mid-Semester Exam	11.1-11.3		
Thu	Jul	17	Network Programming *Recitation 9* (skipped)	11.4	11.5	
Tue	Jul	22	Concurrent Programming	12.1-12.3		L6 (malloclab) due, L7 (proxylab) out
Thu	Jul	24	Synchronization: Basic *Recitation 10* (lost)	12.4, 12.5.1-3	12.4-12.6	
Tue	Jul	29	Synchronization: Advanced	12.5.4-5, 12.7-8	12.7, 12.13, 12.14	
Thu	Jul	31	Web Services *Recitation 11* (pdf)	11.5-11.7	12.7, 12.13, 12.14	
Tue	Aug	5	Advanced/Special topic	12.6		
Wed	Aug	6				L7

(proxylab) due

Fri   Aug   8   Final Exam

Recitation 12 (Exam Prep) ([pdf](#))