15-213: Intro to Computer Systems, Summer 2016

Date	Lecture/Recitation	Lec Reading	Labs
May 17	Overview ([pdf](#) , [video](#))	bpr 1	
May 18	Bits and Bytes ([pdf](#) , [video](#))	bpr 2.1	L1 (datalab) out
May 19	Integers ([pdf](#) , [video](#))	bpr 2.2-2.3	
May 24	Floating Point ([pdf](#) , [video](#))	bpr 2.4	
May 25	Machine Prog: Basics ([pdf](#) , [video](#))	bpr 3.1-3.5	
May 26	Machine Prog: Control ([pdf](#) , [video](#))	bpr 3.6,3.7	L1 due, L2 (bomblab) out
May 31	Machine Prog: Procedures ([pdf](#) , [video](#))	bpr	
June 1	Machine Prog: Data ([pdf](#) , [video](#))	bpr 3.8-3.9	
June 2	Machine Prog: Advanced ([pdf](#) , [video](#))	bpr 3.10	
June 6			L2 due, L3 (attacklab) out
June 7	Code Optimization ([pdf](#) , [video](#))	bpr 5	
June 9	The Memory Hierarchy ([pdf](#) , [video](#))	bpr 6.1-6.3	
June 13			L3 due, L4 (cachelab) out
June 14	Cache Memories ([pdf](#) , [video](#))	bpr 6.4-6.7	
June 16	Linking ([pdf](#) , [video](#))	bpr 7	
June 20			L4 due, L5 (tshlab) out
June 21	ECF: Exceptions & Processes ([pdf](#) , [video](#))	bpr 8.1-8.4	
June 23	ECF: Signals & Nonlocal Jumps ([pdf](#) , [video](#))	bpr 8.5-8.8	
June 24	Midterm Exam - No Office Hours		
June 28	System Level I/O ([pdf](#) , [video](#))	bpr 10	
June 30	Virtual Memory: Concepts ([pdf](#) , [video](#))	bpr 9.1-9.6	
July 5	Virtual Memory: Systems ([pdf](#) , [video](#))	bpr 9.7-9.8	L5 due, L6 (malloclab) out
	Dynamic Memory Allocation: Basic		

July 6	(pdf , video)	bpr 9.9	
July 7	Dynamic Memory Allocation: Advanced (pdf , video)	bpr 9.10-9.13	
July 12	Internetworking (pdf , video)	bpr 11.1-11.3	
July 14	Network Programming (Part II) (pdf , video)	bpr 11.4	Checkpoint due
July 19	Concurrency (pdf , video)	bpr 12.1-12.3	
July 21	Synchronization: Basic (pdf , video)	bpr 12.4, 12.5.1-3	
July 22			L6 Due, L7 (proxylab) out
July 26	Synchronization: Advanced (pdf , video)	bpr 12.5.4-5, 12.7-8	
July 28	Thread-Level Parallelism (pdf , video)	bpr 12.6	
Aug 2	Future of Computing I (similar video)	bpr	
Aug 3	Future of Computing II (pdf)	bpr	
Aug 4			L7 due
Aug 5	Final Exam		