	Date		Lecture/Recitation	Lec	Reading	Labs
1	Mon Aug	31	*Recitation 1:* ***No recitation -- Semester starts with first lecture***			
	Tue Sep	1	Overview (pdf, pptx)	reb/droh	1	
	Thu Sep	3	Bits, Bytes, and Ints: Part 1 (pdf, pptx, code, tar)	reb	2.1	L1 (datalab) out (handout files, writeup)
2	Mon Sep	7	*Recitation 2:* ***No Recitation -- Labor Day***			
	Tue Sep	8	Bits, Bytes, and Ints: Part 2 (pdf, pptx, code, tar)	reb	2.2-2.3	
	Thu Sep	10	Floating Point (pdf, pptx)	droh	2.4	
3	Mon Sep	14	*Recitation 3: Datalab and Data Representations* (pdf, pptx) *Linux Boot Camp* (pdf, pptx)			
	Tue Sep	15	Machine Prog: Basics (pdf, pptx, code, tar)	reb	3.1-3.5	
	Thu Sep	17	Machine Prog: Control (pdf, pptx, code, tar)	reb	3.6	L1 due 11:59pm, L2 (bomblab) out
4	Mon Sep	21	*Recitation 4: Bomb Lab* (pdf, pptx)			
	Tue Sep	22	Machine Prog: Procedures (pdf, pptx, code, tar)	reb	3.7	
	Thu Sep	24	Machine Prog: Data (pdf, pptx, code, tar)	reb	3.8-3.9	
5	Mon Sep	28	*Recitation 5: Attack Lab and Stacks* (pdf, pptx)			
	Tue Sep	29	Machine Prog: Advanced (pdf, pptx, code, tar)	reb	3.10	L2 due 11:59pm, L3 (attacklab) out
	Thu Oct	1	Code Optimization (pdf, pptx, code, tar)	reb	5	
6	Mon Oct	5	*Recitation 6: C Review* (pdf, pptx) C Boot Camp (pdf, pptx, tar)			
	Tue Oct	6	The Memory Hierarchy (pdf, pptx)	droh	6.1-6.3	
	Thu Oct	8	Cache Memories (pdf, pptx, code, tar)	droh	6.4-6.7	L3 due 11:59pm, L4 (cachelab) out
7	Mon Oct	12	*Recitation 7: Cache Lab and Blocking* (pdf, pptx)			
	Tue Oct	13	Linking (pdf, pptx, code, tar)	droh	7	
	Thu Oct	15	ECF: Exceptions & Processes (pdf, pptx, code, tar)	droh	8.1-8.4	L4 due 11:59pm
8	Mon Oct	19	*Recitation 8: Exam Review* (pdf, pptx)			
	Thu Oct	20	ECF: Signals (pdf, pptx, code, tar)	droh	8.5-8.8	**Online midterm exam Tue Oct 20 - Fri Oct 23**
	Thu Oct	22	System Level I/O (pdf, pptx, code, tar)	reb	10	L5 (tshlab) out
9	Mon Oct	26	*Recitation 9: Shell Lab, Processes, and Signals, and I/O* (pdf pptx)			
	Tue Oct	27	Virtual Memory: Concepts (pdf, pptx)	droh	9.1-9.6	
	Thu Oct	29	Virtual Memory: Systems (pdf, pptx, code, tar)	droh	9.7-9.8	
10	Mon Nov	2	*Recitation 10: Virtual Memory* (pdf, pptx)			
	Tue Nov	3	Storage Allocation: Basic (pdf, pptx, code, tar)	droh	9.9	L5 due 11:59pm, L6 (malloclab) out
	Thu Nov	5	Storage Allocation: Advanced (pdf, pptx, code)	droh	9.9-9.11	
11	Mon Nov	9	*Recitation 11: Malloc Lab* (pdf, pptx)			
	Tue Nov	10	Network Programming: Part 1 (pdf, pptx)	reb	11.1-11.4	
	Thu Nov	12	Network Programming: Part 2 (pdf, pptx, code, tar)	reb	11.5-11.6	
12	Mon Nov	16	*Recitation 12: Debugging Malloc Lab* (pdf, pptx)			
	Tue Nov	17	Concurrent Programming (pdf, pptx, code, tar)	droh	12.1-12.3	
	Thu Nov	19	Synchronization: Basic (pdf, pptx, code, tar)	droh	12.4, 12.5.1-3	L6 Due 11:59pm, L7 (proxylab) out
13	Mon Nov	23	*Recitation 13: Proxy Lab* (pdf, pptx)			
	Tue Nov	24	Synchronization: Advanced (pdf, pptx, code, tar)	droh	12.5.4-5, 12.7	
	Thu Nov	26	No class: Thanksgiving			
14	Mon Nov	30	*Recitation 14: Synchronization* (pdf, pptx)			
	Tue Dec	1	Thread-Level Parallelism (pdf, pptx, code, tar)	reb	12.6	
	Thu Dec	3	The Future of Computing (pdf, pptx)	reb		
15	Mon Dec	7	*Recitation 15: Exam review* (pdf, pptx)			
	Tue Dec	8	No class			L7 due 11:59pm
	Thu Dec	10	No class			
	Mon Dec	14-17	**Final Exam**			**Online final exam Mon Dec 14-Thu Dec 17**