Wk	Cl	Date	Lecture Topic	HW
			Please Note: All dates are tentative! **Exam and assignment due dates are not official until** **announced in class.**	
1	1	21-Jan	Intro, administration, goals & expectations Motivation	Ass. 0 out
2	2	26-Jan	Review memory hierarchy Memory-aware optimizations	
	3	28-Jan	CPU-aware optimizations, part 1	Ass. 0 due Ass. 1 out
3	4	2-Feb	CPU-aware optimizations, part 2	
	5	4-Feb	Intro to SIMD and Vector processing	Ass. 1 due Ass. 2 out
4	6	9-Feb	Programming using SSE	
	7	11-Feb	Advanced single-thread methods	Ass. 2 due Ass. 3 out
5	8	17-Feb	Intro to parallel programming, part 1 NOTE - MONDAY IS ON TUESDAY	
	9	18-Feb	Thread-based programming and Pthreads	Ass. 3 due Ass. 4 out
6	10	23-Feb	Intro to parallel programming, part 2	
	11	25-Feb	OpenMP, Review Concurrency	Ass. 4 due Ass. 5 out
7	12	2-Mar	Multicore Cache -- state machines, protocols, optimizations	
	13	4-Mar	Multicore Synchronization	Ass. 5 due Ass. 6 out
			SPRING BREAK -- March 9-17	
8	14	16-Mar	GPU -- First pass	
	15	18-Mar	GPU -- Thread Organization	Ass. 7 out Ass. 6 due Fri 3/20
9	16	23-Mar	GPU -- Memory Organization	
	17	25-Mar	GPU -- In Depth, processor	Ass. 7 due Ass. 8 out
10	18	30-Mar	GPU -- In Depth, memory	
	19	1-Apr	GPU -- Other GPU topics	Ass. 8 due Ass. 9 out
11	20	6-Apr	**Mid-Term Exam**	
	21	8-Apr	GPU -- Other GPU topics	Ass. 9 due
12	22	13-Apr	**Project group meetings**	
	23	15-Apr	**Project group meetings**	
13		20-Apr	**PATRIOTS DAY**	
	24	22-Apr	Project presentations	
	25	27-Apr	Project presentations	
14	26	29-Apr	Project presentations	
		1-May	**Project Writeups Due -- 17:00**	
16		8-May	**Final Exam - Thursday, 9:00 - 11:00**	