SES #	TOPICS	LECTURERS
Week 1		
L1	Course introduction	Saman Amarasinghe
L2	Introduction to Cell processor	Michael Perrone, IBM
R1	Getting to know Cell	
L3	Introduction to parallel architectures	Saman Amarasinghe
	Quiz 1	
L4	Introduction to concurrent programming	Saman Amarasinghe
	Project reviews	
L5	Parallel programming concepts	Rodric Rabbah, IBM
	Quiz 2	
L6	Design patterns for parallel programming I	Rodric Rabbah, IBM
Week 2		
R2-R3	Cell programming hands-on	
L7	Design patterns for parallel programming II	Rodric Rabbah, IBM
	Quiz 3	
L8	StreamIt language	Bill Thies
R4	Cell debugging tools	
L9	Debugging parallel programs	Rodric Rabbah, IBM
	Quiz 4	
L10	Performance monitoring and optimizations	Rodric Rabbah, IBM
Week 3		
L11	Parallelizing compilers	Saman Amarasinghe
	Quiz 5	
L12	StreamIt parallelizing compiler	Saman Amarasinghe
R5	Cell profiling tools	
R6	SIMD programming on Cell	
L13	Star-P	Alan Edelman
	Quiz 6	
L14	Synthesizing parallel programs	Arvind
L15	Cilk	Bradley Kuszmaul
L16	Introduction to game development	Mike Acton, Insomiac Games
Week 4		
L17	The Raw experience	Rodric Rabbah, IBM
L18	The future	Saman Amarasinghe
	Student project competition	
	Award ceremony	