

		Monday	Wednesday	Friday
1		27	29	31
		Introduction to shared memory model, transition systems		
	Topics	Intro	Shared Memory	Shared Memory
	Slides	01	01	01
	Exercise Booklet	01	01	01
	Assignments			HW1 (threads)
	Reading			
	Quiz			
2	September	3 (Labor Day - No classes)	5	7
		Critical Section and Mutual Exclusion		
	Topics	Critical Section and Mutual Exclusion	Critical Section and Mutual Exclusion	Atomic actions
	Slides	02	02	02
	Exercise Booklet	02	02	02
	Assignments			HW1 due / HW2 (semaphores)
	Reading			
	Quiz		Q1	
3		10	12	14
		Semaphores		
	Topics	Semaphores	Semaphores	Producers/Consumers
	Slides		03	04
	Exercise Booklet		03	04
	Assignments			
	Reading			
	Quiz		Q2	
4		17	19	21
		Patterns with Semaphores: Readers/Writers, Unbounded buffers, Producers/Consumers		
	Topics	Readers/Writers	Semaphores: restroom example	Semaphores: another example
	Slides	04	04	04
	Exercise Booklet	04	04	04
	Assignments			HW2 due/ HW3 (monitors)
	Reading			
	Quiz			
5		24	26	28
		Monitors		
	Topics	Monitors	Monitors	Monitors: An example
	Slides	05	05	05
	Exercise Booklet	05	05	05
	Assignments			
	Reading			
	Quiz		Q3	
6	October	1	3	5
		Monitors		
	Topics	Monitors: signal and continue and monitors in Java	Quiz	
	Slides	06	06	06
	Exercise Booklet	06	06	06
	Assignments			HW3 due
	Reading			
	Quiz		Q4	
7		8 (Fall Recess - No Classes) Tuesday 9 -	10	12
		Review and Midterm		
	Topics	Tuesday 9 - Monday Class Schedule	Review	Midterm
	Slides			
	Exercise Booklet			
	Assignments			
	Reading			
	Quiz		Q5	
8		15	17	19
		Message Passing		
	Topics	Erlang: Sequential Fragment	Erlang: Sequential Fragment	Erlang: Sequential Fragment - Examples
	Slides	07	07	07
	Exercise Booklet	07	07	07

	Assignments			HW4 (sequential erlang)
	Reading			
	Quiz		Q6	
9		22	24	26
		Erlang		
	Topics	Exercises in Class	Quiz	Typing in Erlang
	Slides	07	07	07
	Exercise Booklet	07	07	07
	Assignments	HW3		HW4 due/ HW5 (concurrent erlang)
	Reading			
	Quiz		Q7	
10	November	29	31	2
		Erlang		
	Topics	Erlang: Concurrency	Erlang: Concurrency	Erlang: Concurrency - Examples
	Slides	08	08	
	Exercise Booklet			
	Assignments			
	Reading			
	Quiz		Q8	
11		5	7	9
		Erlang		
	Topics	Erlang: Client-Server	Erlang: Concurrent Patterns	Erlang: Concurrent Patterns
	Slides			
	Exercise Booklet			
	Assignments			HW5 due
	Reading			
	Quiz		Q9	
12		12	14	16
		Model Checking		
	Topics	Model Checking	Promela and Spin	Promela and Spin
	Slides			
	Exercise Booklet			HW6 (model-checking)
	Assignments			
	Reading			
	Quiz		Q10	
13		19	21	23
		Model Checking		
	Topics	Foundations of Model Checking	Thanksgiving recess	
	Slides			
	Exercise Booklet			
	Assignments			
	Reading			
	Quiz		Q11	
14		26	28	30
		Model Checking		
	Topics	Foundations of Model Checking	Foundations of Model Checking	Foundations of Model Checking
	Slides			
	Exercise Booklet			
	Assignments			HW6 due
	Reading			
	Quiz		Q12	
15	December	3	5	7
		Review and Exam		
	Topics	Foundations of Model Checking	Review	Second Exam
	Slides			
	Exercise Booklet			
	Assignments			
	Reading			
	Quiz			
16		11	15	16
		Final exam period 8-21		
				Makeup Exam