

		Monday	Wednesday	Friday
1	September			2
		Introduction to shared memory model, transition systems		
	Topics			Intro
	Slides			00
	Exercise Booklet			
	Assignments			
	Quiz			
1		Labor Day - No classes	7	9
		Introduction to shared memory model, transition systems		
	Topics		Shared Memory	Shared Memory
	Slides		01	
	Exercise Booklet		01	
	Assignments			HW1 (threads)
	Quiz			
2		12	14	16
		Critical Section and Mutual Exclusion		
	Topics	Critical Section and Mutual Exclusion	Critical Section and Mutual Exclusion	Critical Section and Mutual Exclusion
	Slides	02		
	Exercise Booklet	02		
	Assignments			HW1 due / HW2 (semaphores)
	Quiz		Q1	
3		19	21	23
		Semaphores		
	Topics	Atomic actions	Semaphores	Semaphores
	Slides	03	04	
	Exercise Booklet	03	04	
	Assignments			
	Quiz		Q2	
4		26	28	30
		Patterns with Semaphores: Readers/Writers, Unbounded buffers, Producers/Consumers		
	Topics	Producers/Consumers	Readers/Writers	Semaphores: bar example
	Slides	05		
	Exercise Booklet	05		
	Assignments			HW2 due/ HW3 (monitors)
	Quiz			
5	October	3	5	7
		Monitors		
	Topics	Semaphores: car wash example	Monitors	Monitors
	Slides		06	
	Exercise Booklet		06	
	Assignments			
	Quiz		Q3	
6		10(Fall Recess -No Classes) Tuesday 11 -	12	14
		Monitors		
	Topics	Monitors: An example	Monitors	Monitors: signal and continue and monitors in Java
	Slides			
	Exercise Booklet			
	Assignments			HW3 due
	Quiz		Q4	
7		17	19	21
		Review and Midterm		
	Topics	Monitors: An example	Review	Midterm
	Slides			
	Exercise Booklet			
	Assignments			
	Quiz		Q5	
8		24	26	28
		Message Passing		
	Topics	Erlang: Sequential Fragment	Erlang: Sequential Fragment	Erlang: Sequential Fragment - Examples
	Slides	07		
	Exercise Booklet	07		
	Assignments			HW4 (sequetial erlang)
	Reading			
	Quiz		Q6	
9	November	31	2	4
		Erlang		

	Topics	Exercises in Class	Quiz	Typing in Erlang
	Slides			
	Exercise Booklet			
	Assignments			HW4 due/ HW5 (concurrent erlang)
	Quiz		Q7	
10		7	9	11
		Erlang		
	Topics	Erlang: Concurrency	Erlang: Concurrency	Erlang: Concurrency - Examples
	Slides	08		
	Exercise Booklet	08		
	Assignments			
	Quiz		Q8	
11		14	16	18
		Erlang		
	Topics	Erlang: Client-Server	Erlang: Concurrent Patterns	Erlang: Concurrent Patterns
	Slides			
	Exercise Booklet			
	Assignments			HW5 due
	Quiz		Q9	
12		21	23	25
		Model Checking		
	Topics	Model Checking	Thanksgiving recess	
	Slides			
	Exercise Booklet	09		
	Assignments			
	Quiz			
13	December	28	30	2
		Model Checking		
	Topics	Promela	Promela	Assertion based MC
	Slides			
	Exercise Booklet			
	Assignments			HW6 (model-checking)
	Quiz		Q10	
14		5	7	9
		Model Checking		
	Topics	Foundations of Model Checking	Foundations of Model Checking	Foundations of Model Checking
	Slides			
	Exercise Booklet			
	Assignments			HW6 due
	Quiz		Q11	
15		12	14	
	Topics	Foundations of Model Checking	Endterm	
	Slides			
	Exercise Booklet			
	Assignments			
	Quiz			