		Monday	Wednesday	Friday
1	September			2
	Topies	Intro	duction to shared memory model, transition syst	tems
	Topics Slides			Intro 00
~~~~	Exercise Booklet			00
~~~~	Assignments			
~~~~	Quiz			
1		Labor Day - No classes	7 duction to shared memory model, transition sys	9
	<b>-</b>	Intro		tems
	Topics Slides		Shared Memory 01	Shared Memory
~~~~	Exercise Booklet		01	
~~~~~	Assignments			HW1 (threads)
	Quiz			
2		12	14	16
	Topics	Critical Section and Mutual Exclusion	Critical Section and Mutual Exclusion Critical Section and Mutual Exclusion	Critical Section and Mutual Exclusion
	Slides Exercise Booklet	02 02		
~~~~	Assignments	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		HW1 due / HW2 (semaphores)
	Quiz		Q1 <b>2</b> 1	
3		19		23
	<b>—</b>		Semaphores	
	Topics	Atomic actions	Semaphores 04	Semaphores
······	Slides Exercise Booklet	03 03	04 04	
	Assignments		<u> </u>	
	Quiz		Q2	
4		26	28	30
		Patterns with Sema	phors: Readers/Writers, Unbounded buffers, Pro	ç
	Topics	Producers/Consumers	Readers/Writers	Semaphores: bar example
	Slides Exercise Booklet	05 05		
	Accianments	03		HW2 due/ HW3 (monitors)
	Quiz			,
5	Quiz October	3	5	7
			Monitors	
~~~~	Topics	Semaphores: car wash example	Monitors	Monitors
	Slides Exercise Booklet		06 06	
	Assignments		00	
~~~~	Quiz		Q3	
6		10(Fall Recess -No Classes) Tuesday 11 -	12	14
			Monitors	
	Topics	Monitors: An example	Monitors	Ionitors: 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 Exercise Booklet	07 07		
	Assignments	U/		HW4 (sequetial erlang)
	Reading			11444 (Sequetial chang)
	Quiz		Q6	
	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		
;			9 Erlang			
	Topics	Erlang: Concurrency	Erlang: Concurrency	Erlang: Concurrency - Examples		
	Slides					
	Exercise Booklet	08 08				
	Assignments					
;	Assignments Quiz		Q8			
11		14	16	18		
[			Erlang	\		
	Topics	Erlang: Client-Server	Erlang: Concurrent Patterns	Erlang: Concurrent Patterns		
	Slides			8		
	Exercise Booklet	. <del>i.</del> t:				
, ;	Assignments			HW5 due		
; }	Quiz		09	11W3 dde		
12	Quiz	21	Q9 23 Model Checking	25		
ستش		21	Model Checking	23		
<del></del>	Topics	Model Checking Thanksgiving recess				
	Slides	Widder Checking	THATISETY	ing recess		
	Exercise Booklet	09				
<del>,</del>	Assignments	US				
<u></u>	Assignments					
12	Quiz <b>December</b>	28	30	2		
-13	December					
j			Model Checking			
		December 1	Model Checking	Acception based MC		
	Topics	Promela	Model Checking Promela	Assertion based MC		
	Slides	Promela	-	Assertion based MC		
	Slides Exercise Booklet	Promela	-			
	Slides Exercise Booklet	Promela	Promela	Assertion based MC  HW6 (model-checking)		
	Slides Exercise Booklet Assignments Quiz		Promela  Q10	HW6 (model-checking)		
·	Slides Exercise Booklet Assignments Quiz	Promela 5	Promela  Q10			
	Slides Exercise Booklet Assignments Quiz	5	Q10 Q10 7 Model Checking	HW6 (model-checking)		
	Slides Exercise Booklet Assignments Quiz Topics		Promela  Q10	HW6 (model-checking)		
14	Slides Exercise Booklet Assignments Quiz Topics Slides	5	Q10 Q10 7 Model Checking	HW6 (model-checking)		
14	Slides Exercise Booklet Assignments Quiz Topics Slides Exercise Booklet	5	Q10 Q10 7 Model Checking	HW6 (model-checking)  9  Foundations of Model Checking		
14	Slides Exercise Booklet Assignments Quiz Topics Slides Exercise Booklet	5	Q10	HW6 (model-checking)		
14	Slides Exercise Booklet Assignments Quiz Topics Slides Exercise Booklet Assignments Quiz	5 Foundations of Model Checking	Q10	HW6 (model-checking)  9  Foundations of Model Checking		
14	Slides Exercise Booklet Assignments Quiz Topics Slides Exercise Booklet Assignments Quiz	5 Foundations of Model Checking	Promela  Q10  7  Model Checking  Foundations of Model Checking  Q11  Q11  14	HW6 (model-checking)  9  Foundations of Model Checking		
14	Slides Exercise Booklet Assignments Quiz Topics Slides Exercise Booklet Assignments Quiz	5 Foundations of Model Checking	Q10	HW6 (model-checking)  9  Foundations of Model Checking		
14	Slides Exercise Booklet Assignments Quiz Topics Slides Exercise Booklet Assignments Quiz Topics	5 Foundations of Model Checking	Promela  Q10  7  Model Checking  Foundations of Model Checking  Q11  Q11  14	HW6 (model-checking)  9  Foundations of Model Checking		
14	Slides Exercise Booklet Assignments Quiz Topics Slides Exercise Booklet Assignments Quiz Topics	5 Foundations of Model Checking	Promela  Q10  7  Model Checking  Foundations of Model Checking  Q11  Q11  14	HW6 (model-checking)  9  Foundations of Model Checking		
15	Slides Exercise Booklet Assignments Quiz Topics Slides Exercise Booklet Assignments Quiz Topics	5 Foundations of Model Checking	Promela  Q10  7  Model Checking  Foundations of Model Checking  Q11  Q11  14	HW6 (model-checking)  9  Foundations of Model Checking		