		Tuesday	Thursday	Friday	HW	
1	September	30	1	2		
		Introduction to shared memory model				
	Topics	Intro	Shared Memory	Shared Memory		
	Slides	01	01	01		
	Exercise Booklet	01	01	01		
	Assignments			HW1	Traces	
	Reading					
	Quiz					
2		6	8	9		
		Critical Section and Mutual Exclusion				
	Topics	Critical Section and Mutual Exclusion	Critical Section and Mutual Exclusion	Critical Section and Mutual Exclusion: An example		
	Slides	02	02	02		
	Exercise Booklet	02	02	02		
	Assignments					
	Reading			HW1 due / HW2	Critical sections and mutual exclusion	
	Quiz	Q1				
3		13	15	16		
		Atomic actions, test and set, busy waiting				
	Topics	Buffer	Atomic actions, test and set, busy waiting	Atomic actions, test and set, busy waiting		
	Slides		03	03		
	Exercise Booklet		03	03		
	Assignments					
	Reading			HW2 due		
	Quiz	Q2				
4		20	22	23		
		Sempahores				
	Topics	Semaphores	Semaphores	Semaphores: An example		
	Slides	04	04	04		
	Exercise Booklet	04	04	04		
	Assignments			HW3	Semaphores	
	Reading					
	Quiz	Q3				
5		27	29	30		
		Patterns with Semaphors: Readers/Writers, Unbounded buffers, Producers/Consumers				
	Topics	phors: Readers/Writers, Unbounded buffers, Pr	phors: Readers/Writers, Unbounded buffers, Pr	Patterns with semaphores: an example		
	Slides	05	05	05		
	Exercise Booklet	05	05	05		
	Assignments			HW3 due		
	Reading					
	Quiz	Q4				
6	October	4	6	7		
		Monitors				
	Topics	Monitors	Monitors	Monitors: An example		
	Slides	06	06	06		
	Exercise Booklet	06	06	06		
	Assignments			HW4	Monitors	
	Reading					
	Quiz	Q5				
7		11	13	14		
		Review and Midterm				
	Topics	Monday Class Schedule	Review	Midterm		
	Slides					
	Exercise Booklet					
	Assignments					
	Reading					
	Quiz	Q6				
8		18	20	21		
		Message Passing				
	Topics	Erlang: Sequential Fragment	Erlang: Sequential Fragment	Erlang: Sequential Fragment - Examples		
	Slides	07	07	07		
	Exercise Booklet	07	07	07		
	Assignments			HW4 due		
	Reading					
	Quiz	Q7				
9		25	27	28		
		Erlang				
	Topics	Erlang: Concurrency	Erlang: Concurrency	Erlang: Concurrency - Examples		
	Slides	08	08	08		
	Exercise Booklet	08	08	08		
	Assignments			HW5	Erlang	
	Reading					
	Quiz	Q8				

10	**November**	**1**	**3**	**4**				
		Erlang						
	Topics	Erlang: Client-Server	Erlang: Concurrent Patterns	Erlang: Project				
	Slides	09	09					
	Exercise Booklet							
	Assignments							
	Reading							
	Quiz	Q9						
11		**8**	**10**	**11**				
		Erlang						
	Topics							
	Slides							
	Exercise Booklet							
	Assignments			HW5 due				
	Reading							
	Quiz	Q10						
12		**15**	**17**	**18**				
		Model Checking						
	Topics	Formal reasoning about concurrency	Safety and liveness	Formal reasoning about concurrency				
	Slides							
	Exercise Booklet							
	Assignments			HW6	Model checking			
	Reading							
	Quiz	Q11						
13		**22**	**24**	**25**				
		Model Checking						
	Topics	The SPIN Model Checker	Thanksgiving recess					
	Slides							
	Exercise Booklet							
	Assignments							
	Reading							
	Quiz	Q12						
14	**December**	**29**	**1**	**2**				
		Model Checking						
	Topics	The SPIN Model Checker	The SPIN Model Checker	The SPIN Model Checker				
	Slides							
	Exercise Booklet							
	Assignments			HW6 due				
	Reading							
	Quiz	Q13						
15		**6**	**8**	**9**				
	Topics	Review and Exam						
	Slides	Review	Review	Second Exam				
	Exercise Booklet							
	Assignments							
	Reading							
	Quiz							
16		**13**	**15**	**16**				
		Final exam period 10-22						
				Makeup Exam				
	Section A	TRF 02:00-02:50PM						
	Section B	TRF 03:00-03:50PM						