		Monday	Thursday	Friday	HW
1	**September**	**28**	**31**	**1**	
		Introduction to shared memory model			
	Topics	Intro	Shared Memory	Shared Memory	
	Slides	01	01	01	
	Exercise Booklet	01	01	01	
	Assignments			HW1	Traces
	Reading	Up to slide 28			
	Quiz				
2		**4**	**7**	**8**	
		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				
	Reading			HW1 due	
	Quiz		Q1		
3		**11**	**14**	**15**	
		Atomic actions, test and set, busy waiting			
	Topics	Atomic actions + Start with semaphores	Atomic actions, test and set, busy waiting	Producers/Consumers	
	Slides		03	04	
	Exercise Booklet		03	04	
	Assignments				
	Reading			HW 2	Semaphores
	Quiz		Q2		
4		**18**	**21**	**22**	
		Semaphores			
	Topics	Readers/Writers	Semaphores: restroom example	Semaphores: another example	
	Slides	04	04	04	
	Exercise Booklet	04	04	04	
	Assignments				
	Reading				
	Quiz				
5		**25**	**28**	**29**	
		Patterns with Semaphors: Readers/Writers, Unbounded buffers, Producers/Consumers			
	Topics	Monitors	Monitors	Monitors: An example	
	Slides	05	05	05	
	Exercise Booklet	05	05	05	
	Assignments			HW2 due	
	Reading				
	Quiz		Q3		
6	**October**	**2**	**5**	**6**	
		Monitors			
	Topics	Monitors: signal and continue and monitors in Java	Quiz		
	Slides	06	06	06	
	Exercise Booklet	06	06	06	
	Assignments			HW3	Monitors
	Reading				
	Quiz		Q4		
7		**Tuesday 10 (Monday is recess)**	**12**	**13**	
		Review and Midterm			
	Topics	Monday Class Schedule	Review	Midterm	
	Slides				
	Exercise Booklet				
	Assignments				
	Reading				
	Quiz		Q5		
8		**16**	**19**	**20**	
		Message Passing			
	Topics	Erlang: Sequential Fragment	Erlang: Sequential Fragment	Erlang: Sequential Fragment - Examples	
	Slides	07	07	07	
	Exercise Booklet	07	07	07	
	Assignments			HW3 due	
	Reading				
	Quiz		Q6		
9		**23**	**26**	**27**	

		Erlang			
	Topics	Exercises in Class	Quiz	Typing in Erlang	
	Slides	07	07	07	
	Exercise Booklet	07	07	07	
	Assignments	HW3		HW4	Erlang
	Reading				
	Quiz		Q7		
10	November	30	2	3	
		Erlang			
	Topics	Erlang: Concurrency	Erlang: Concurrency	Erlang: Concurrency - Examples	
	Slides	08	08		
	Exercise Booklet				
	Assignments			HW3 due / HW4	
	Reading				
	Quiz		Q8		
11		6	9	10	
		Erlang			
	Topics	Erlang: Client-Server	Erlang: Concurrent Patterns	Erlang: Concurrent Patterns	
	Slides				
	Exercise Booklet				
	Assignments				
	Reading				
	Quiz		Q9		
12		13	16	17	
		Model Checking			
	Topics	Model Checking	Promela and Spin	Promela and Spin	
	Slides				
	Exercise Booklet			HW4 due	
	Assignments			HW5	Model checking
	Reading				
	Quiz		Q10		
13		20	23	24	
		Model Checking			
	Topics	Foundations of Model Checking	Thanksgiving recess		
	Slides				
	Exercise Booklet				
	Assignments				
	Reading				
	Quiz		Q11		
14	December	27	30	1	
		Model Checking			
	Topics	Foundations of Model Checking	Foundations of Model Checking	Foundations of Model Checking	
	Slides				
	Exercise Booklet				
	Assignments			HW5 due	
	Reading				
	Quiz		Q12		
15		4	7	8	
	Topics	Review and Exam			
	Slides	Foundations of Model Checking	Review	Second Exam	
	Exercise Booklet				
	Assignments				
	Reading				
	Quiz				
16		11	15	16	
		Final exam period 10-22			
				Makeup Exam	