		Tuesdav	Thursday	Friday	HW	· · · · · · · · · · · · · · · · · · ·	······	mmmi
1	September	Tuesday 30	1	2			 !	
			Introduction to shared memory model			• · · · · · · · · · · · · · · · · · · ·		}
ļ	Topics	Intro	Shared Memory	Shared Memory				ļ
	Slides	01	01	01	÷		÷	ļi
	Exercise Booklet	01	01	01	Tracas	: 0 :		ļ
-	Assignments Reading			HW1	Traces		<u> </u>	<u> </u>
	Quiz				<u> </u>		<u> </u>	
2	Quiz	6	8	9	<u>.</u>		.	i
			Critical Section and Mutual Exclusion					:
				Critical Section and Mutual Exclusion: An				
	Topics	Critical Section and Mutual Exclusion	Critical Section and Mutual Exclusion	example	;	<u>.</u>	; ;	ļi
ļ	Slides Exercise Booklet	02 02	02 02	02	ļ	 :	ļ	ļ
	Assignments	02	02	02	÷	<u>:</u>	÷	
····	Reading			HW1 due / HW2	Critical se	ctions and	mutual exc	lusion
	Quiz	Q1						
3		13	15	16				
ļ			Atomic actions, test and set, busy waiting		ļ	.		ļ
ļļ	Topics	Buffer	Atomic actions, test and set, busy waiting	Atomic actions, test and set, busy waiting	<u>.</u>		<u>.</u>	<u> </u>
	Slides		03	03	ļ	 :	ļ	ļ
	Exercise Booklet Assignments		03	03	ļ		ļ	ļi
	Reading			HW2 due	.	:	.	:
	Quiz	Q2				•	<u> </u>	
4		20	22	23	<u>.</u>		ļ	
			Sempahores		ļ		ļ	
	Topics	Semaphores	Semaphores	Semaphores: An example	ļ	<u>.</u>	ļ	
	Slides	04	04	04				ļ
	Exercise Booklet	04	04	04	<u> </u>		ļ	
ļ	Assignments			HW3	Semapho	es		ļ
	Reading Quiz	O3						ļ
5	Quiz	Q3 27	29	30	į	 !	ļ	
			phors: Readers/Writers, Unbounded buffers, Pro		<u> </u>		:	
	Topics		phors: Readers/Writers, Unbounded buffers, Pro		 	• !	;	
<u>i</u>	Slides	05	05	05		:		
	Exercise Booklet	05	05	05	<u>.</u>	<u>.</u>	<u>.</u>	<u>į </u>
į	Assignments			HW3 due				
ļ	Reading				 	<u>.</u>	 	ļ
6	Quiz October	Q4 4	6	7	į		ļ	}
	October	7	Monitors	·	 	! !	 	
	Topics	Monitors	Monitors	Monitors: An example		•		<u> </u>
	Slides	06	06	06		:		:
	Exercise Booklet	06	06	06		:		;
	Assignments				Monitors			
ļ	Reading				ļ	.	ļ	ļi
	Quiz	Q5			.	<u>.</u>	.	<u> </u>
/		11	13 Review and Midterm	14				ļ
	Topics	Monday Class Schedule	Review	Midterm	 !		 !	
	Slides	,			!		!	<u> </u>
	Exercise Booklet				<u> </u>		<u> </u>	<u> </u>
[]	Assignments					<u>.</u>		
	Reading							ļ
	Quiz	Q6			<u> </u>	<u> </u>	<u> </u>	ļi
8		18	20	21	ļ		 	ļ
ļ <u>i</u>	Tonics	Erland Sequential Frameant	Message Passing Erlang: Sequential Fragment	Erlang: Sequential Fragment - Examples	<u>.</u>	!	;	
,	Topics Slides	Erlang: Sequential Fragment 07	Eriang: Sequential Fragment 07	Eriang: Sequentiai Fragment - Examples 07	 		 	
	Exercise Booklet	07	07	07 07	<u> </u>	•	<u> </u>	<u>, </u>
	Assignments			HW4 due		:	······································	
	Reading						<u></u>	
	Quiz	Q7						
9		25	27	28		.		ļ
بسبا			Erlang			<u> </u>		ļi
	Topics	Erlang: Concurrency	Erlang: Concurrency	Erlang: Concurrency - Examples	ļ		ļ	ļ
,	Slides	08	08	08	 		 	
	Exercise Booklet	08	08	08 HW5	Erlang	<u> </u>	<u> </u>	
	Assignments Reading			HWS	LITALIK	å	 	
	Quiz	Q8			,	<u></u>	,	<u> </u>

To SI	November		·····	***************************************	.			
To SI			Erlang				:	
SI	opics	Erlang: Client-Server 09	Erlang: Concurrent Patterns 09	Erlang: Project	-			
	lides	09	09					
E>	xercise Booklet				<u>.</u>		<u>.</u>	
A:	Assignments							
Re	Assignments Reading							
Q	Quiz	Q9						
11		8	10	11	<u>.</u>		<u>.</u>	
			Erlang					
	opics				<u> </u>		<u>;</u>	<u> </u>
	lides			<u> </u>	<u> </u>		; 	
Ex	xercise Booklet				.ļ			
	Assignments			HW5 due	ļ		<u> </u>	.
Re	Reading				ļ		<u> </u>	
	Quiz	Q10 15		:	<u></u>		.	
12		15	17	18	.		ļ	
· · · · ·	onics	Formal reasoning about consurren	Model Checking Safety and liveness	Formal reasoning about concurred as			.	· [
CI CI	opics lides	Formal reasoning about concurrency	odiety dilu livelless	Formal reasoning about concurrency	· ·····		ļ	÷
د. اد	xercise Booklet			<u> </u>	†		†	.:
Δ.	Assignments			HW6	Model che	cking		†
D.	looding			11W0	iviouei che	CKIIIg	 	
0	teading Quiz	O11					.	
13	X412	Q11 22	24	25			÷	:
			Model Checking	· · · · · · · · · · · · · · · · · · ·	-		 	
Τι	opics	The SPIN Model Checker	Thanksgi	ving recess	······································		······	*************
SI	lides			:			*·····	·
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	xercise Booklet			:	······································		; :	.
	Assignments			:	'i		; ;	<u> </u>
R/	Reading			·			:	:
Q	Quiz	Q12			·		<u> </u>	`
14	December	29	1	2				
			1 Model Checking					<u> </u>
	opics	The SPIN Model Checker	The SPIN Model Checker	The SPIN Model Checker	<u> </u>		<u> </u>	ļ
	lides				<u> </u>			<u> </u>
Ex	xercise Booklet				<u> </u>			, ,,,,,,,,,,,
A:	Assignments 			HW6 due			<u>.</u>	
Re	leading Quiz	0.62			<u></u>		<u> </u>	
	Įuiz	Q13	,				,	
15 Ta	onice	6	8 Review and Exam	9			ļ	÷
	opics	Review	Review Review	Second Exam				·
5I	lides	keview	keview	Second Exam	-		ļ	-
E)	xercise Booklet Assignments						ļ	†
	Assignments Reading				<u> </u>		!	
	teading Quiz			: :			ļ	<u> </u>
16	Įuiz	13	15	16			,	
10		15	Final exam period 10-22	: 10	-		<u> </u>	÷
		Final exam period 10-22 Makeup Exam						<u> </u>
				THURCUP EXCIT	<u> </u>		<u> </u>	:
Sr	ection A	TRF 02:00-02:50PM		'	 		<u> </u>	†
	ection B	TRF 03:00-03:50PM	(<u>.</u>	·		 :	;