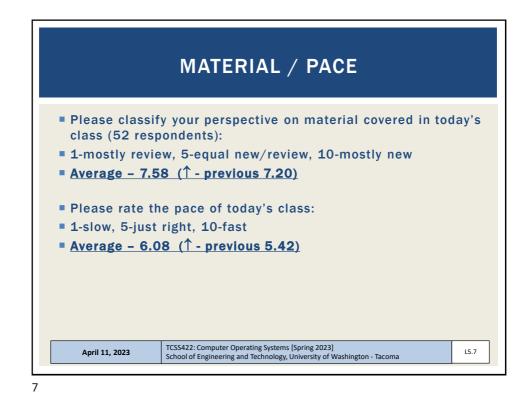
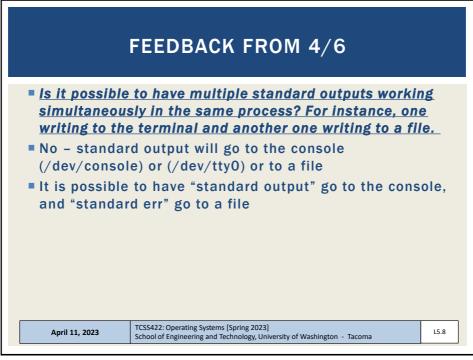


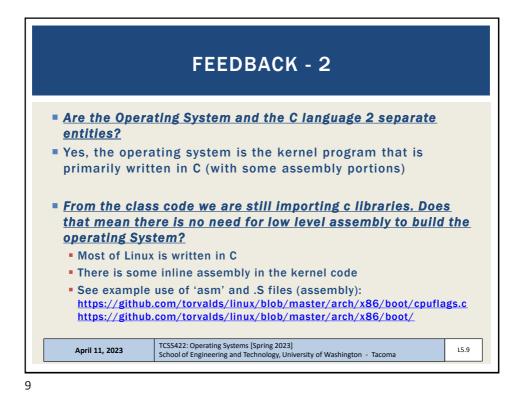


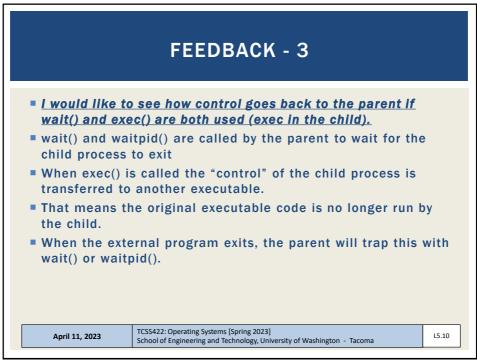
ONLINE DAILY FEEDBACK SURVEY							
 Extra credit a Tuesday surv 							
- Indisuay sur	= TCSS 422 A >	•					
		Pospinieno					
	Spring 2021 Home	Search for Assignment					
	Announcements						
	Zoom	Upcoming Assignments					
	Syllabus Assignments	TCSS 422 - Online Daily Feedback Survey - 4/1 Available until Apr 5 at 11:59pm Due Apr 5 at 10pm -/1 pts					
	Discussions	Ouiz 0 - Chackground curvoy					
April 11, 2023	TCSS422: Computer Operatir School of Engineering and Te	ng Systems [Spring 2023] echnology, University of Washington - Tacoma					

TC	55 422 - Onlir	e Daily	Feedb	ack S	Surve	y - 4/	1			
Qu	iz Instructions	;								
D	Question 1							0.5 pts		
	On a scale of 1 to class:	10, please o	lassify yo	ur persp	oective o	on mater	ial cov	ered in today's		
	1 2 Mostly Review To Me	34 N	5 Equal ew and Rev	6 view	7	8	9	10 Mostly New to Me		
D	Question 2							0.5 pts		
	Please rate the page	e of today's	class:							
	1 2 slow	3 4	5 Just Right	6	7	8	9	10 Fast		
April 11, 2023	TCSS42 School of	2: Comput of Engineer	er Opera ing and 1	ting Sy: Technol	stems [ogy, Un	Spring 2 iversity	2023] of Wa	shington - Tacoma	l	_5.6

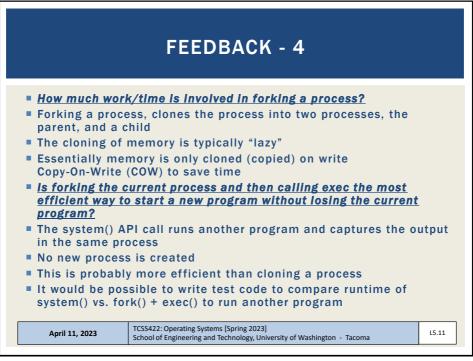






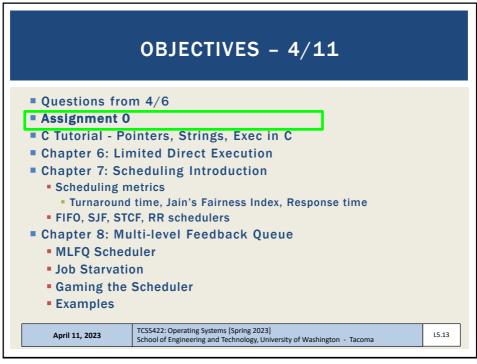


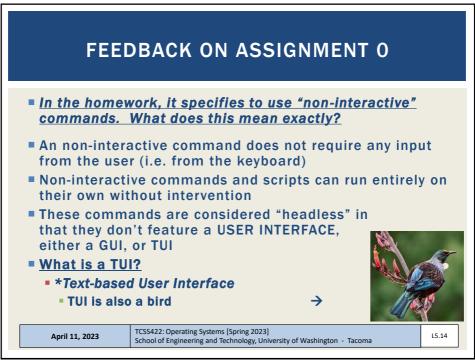




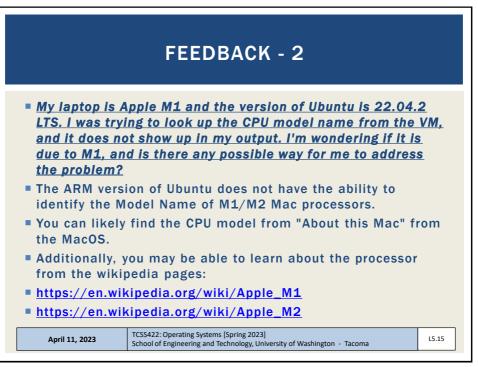


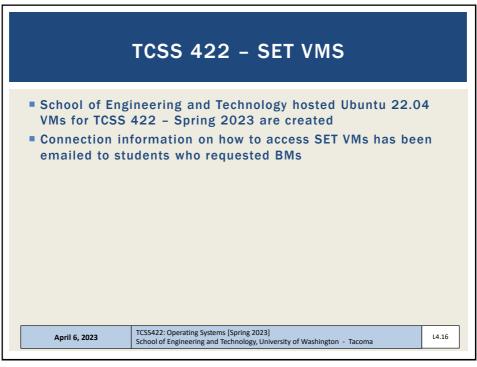




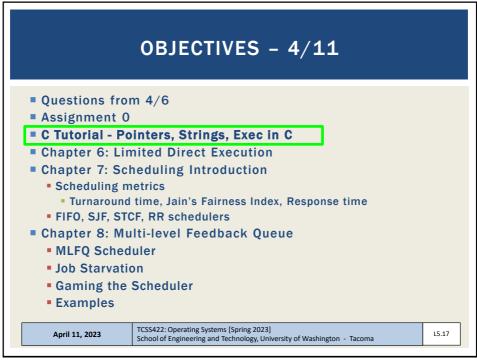


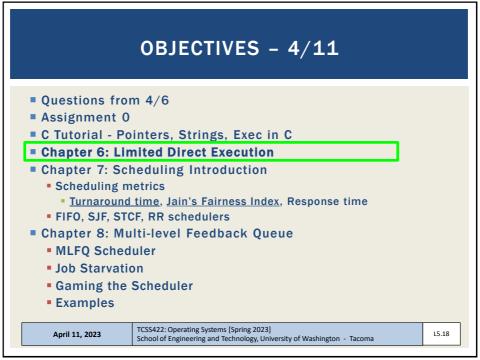




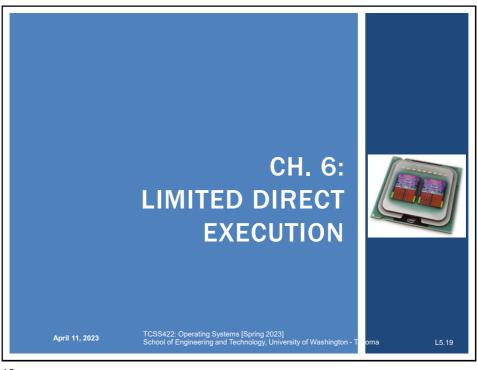


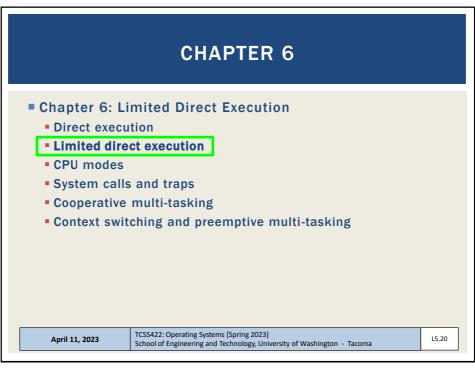




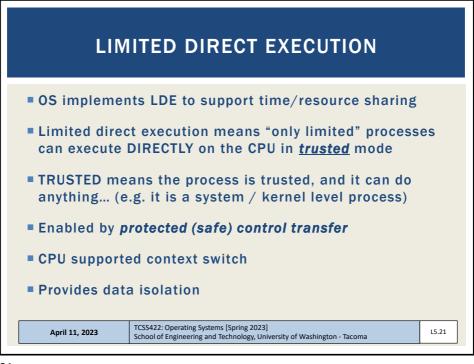


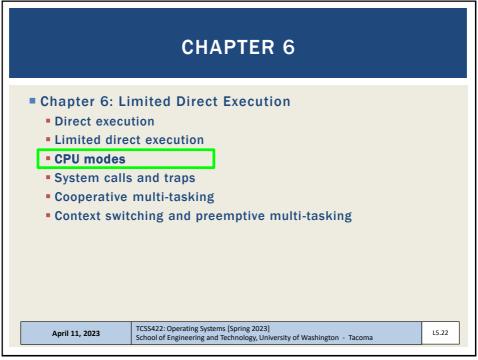


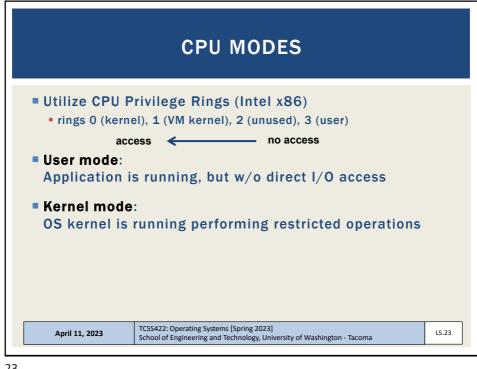


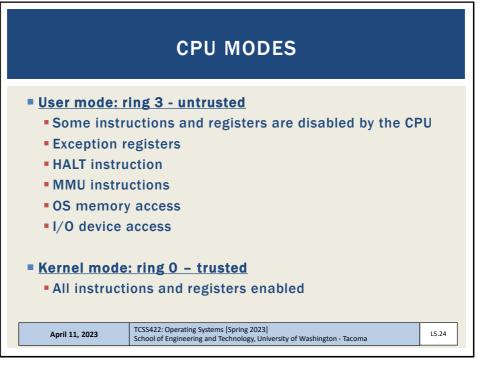




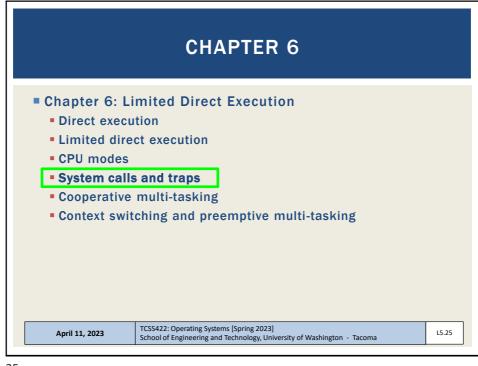


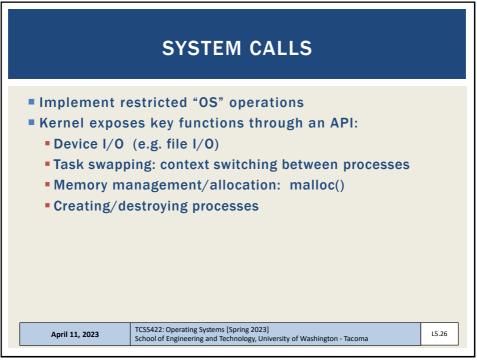




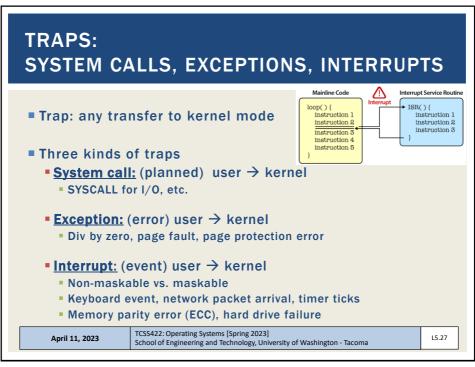




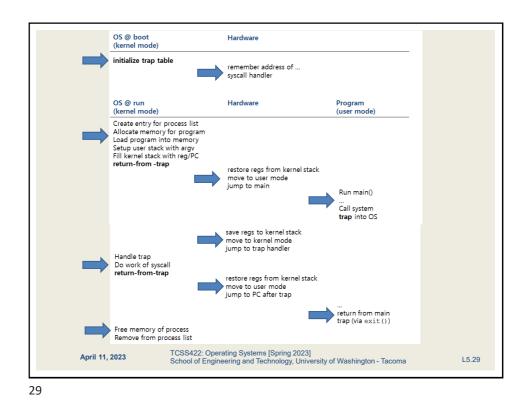


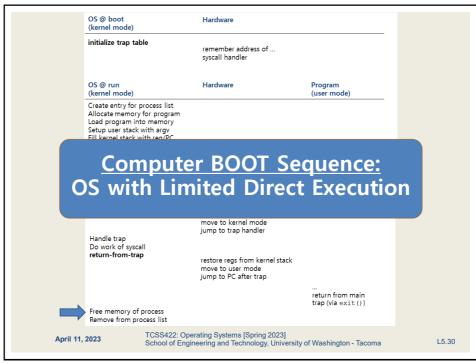


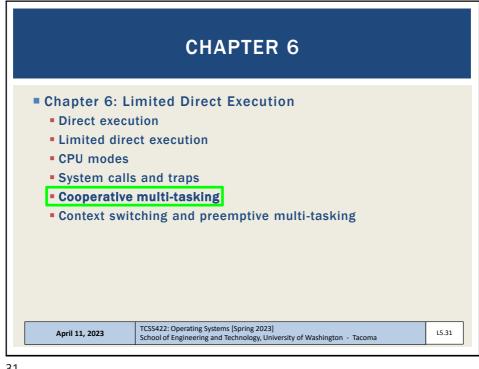


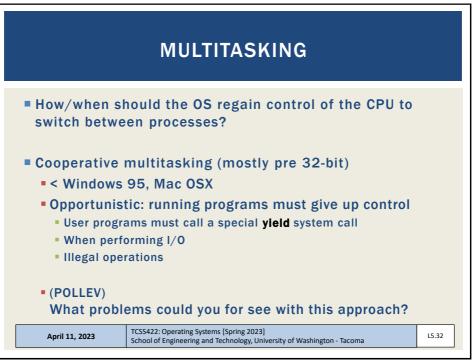


EXCEPTION TYPES								
Exception type	Synchronous vs. asynchronous	User request vs. coerced	User maskable vs. nonmaskable	Within vs. between Instructions	Resume vs. terminate			
I/O device request	Asynchronous	Coerced	Nonmaskable	Between	Resume			
invoke operating system	Synchronous	User request	Nonmaskable	Between	Resume			
Tracing instruction execution	Synchronous	User request	User maskable User maskable	Between Between Within	Resume Resume Resume			
Breakpoint	Synchronous	User request						
Integer arithmetic overflow	Synchronous	Coerced	User maskable					
Floating-point arithmetic overflow or underflow	Synchronous	Coerced	User maskable	Within	Resume			
Page fauit	Synchronous	Coerced	Nonmaskable	Within	Resume			
Misaligned memory accesses	Synchronous	Coerced	User maskable	Within	Resume			
Memory protection violation	Synchronous	Coerced	Nonmaskable Nonmaskable	Within Within	Resume Terminate			
Using undefined instruction	Synchronous	Coerced						
Hardware malfunction	Asynchronous	Coerced	Nonmaskable	Within	Terminate			
Power failure	Asynchronous	Coerced	Nonmaskable	Within	Terminate			

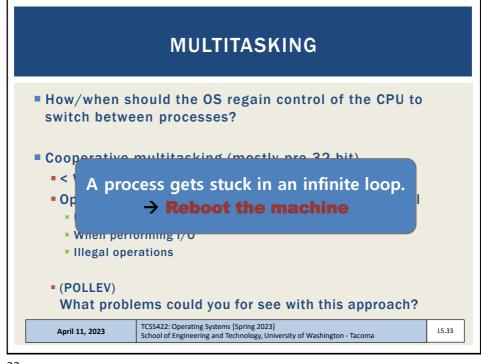


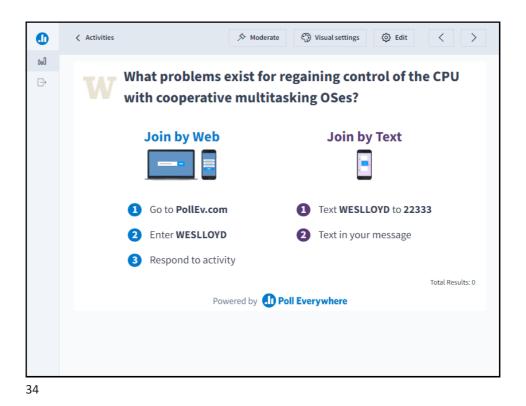




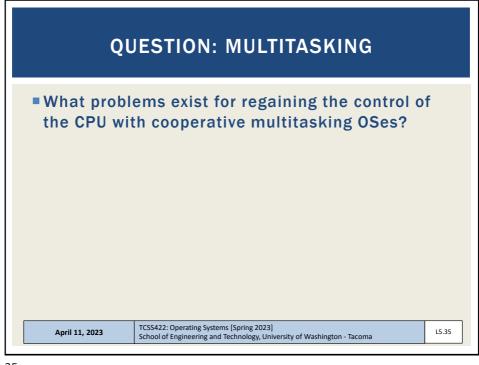


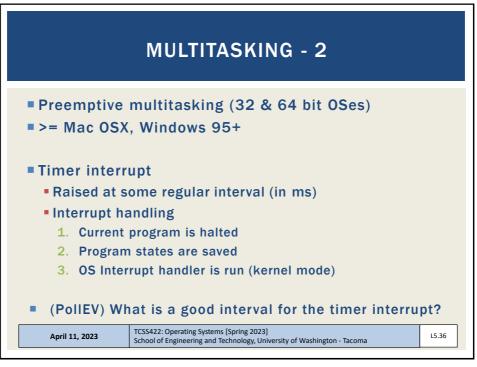


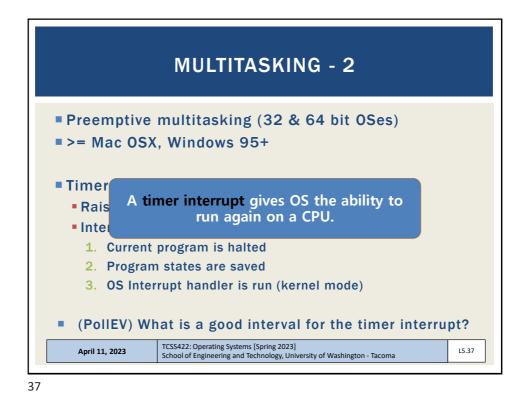




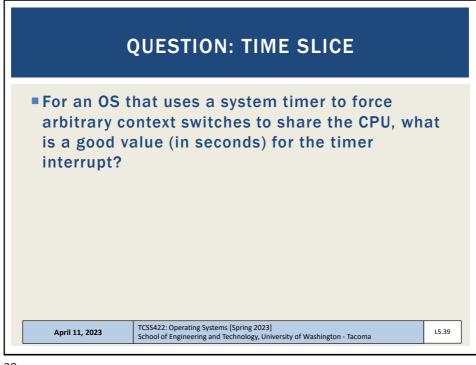
Slides by Wes J. Lloyd

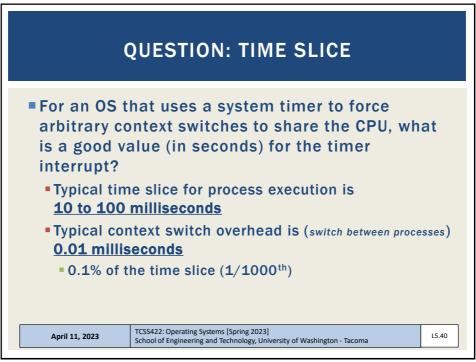


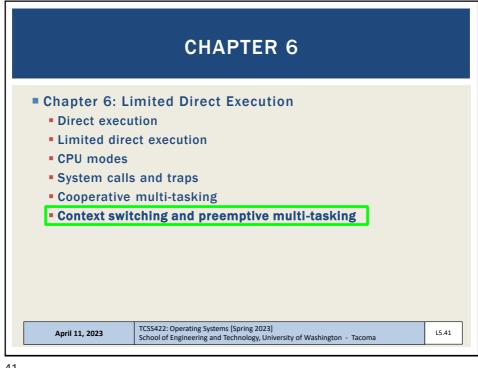


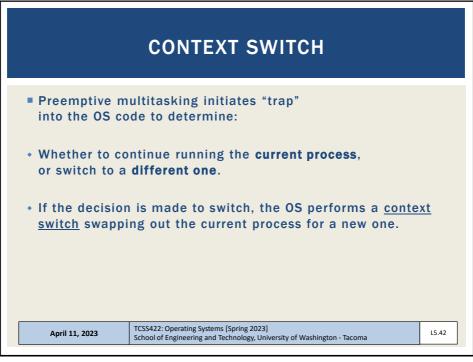


< > < Activities Visual settings 🙆 Edit 000 For an OS that uses a system timer to force arbitrary ₿ context switches to share the CPU, what is a good value (in seconds) for the timer interrupt? Join by Web Join by Text 1 Go to PollEv.com 1 Text WESLLOYD to 22333 Enter WESLLOYD 2 Text in your message Respond to activity Total Results: 0 Powered by **D** Poll Everywhere

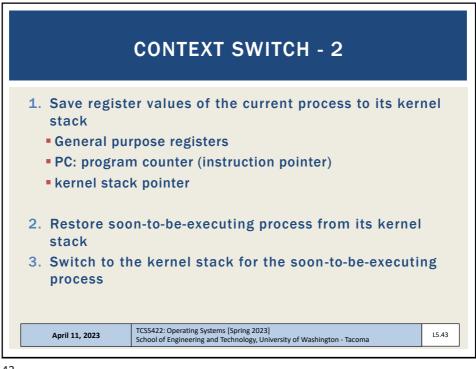


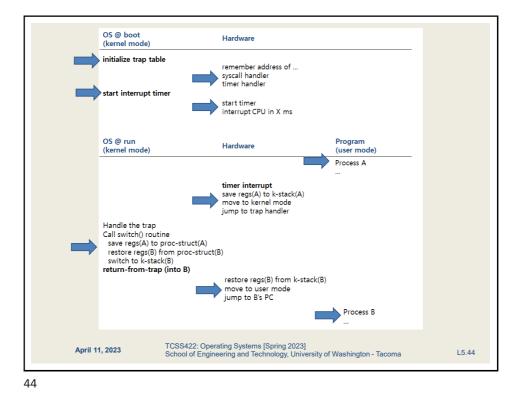


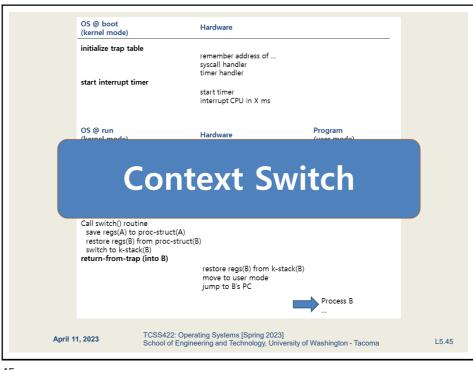


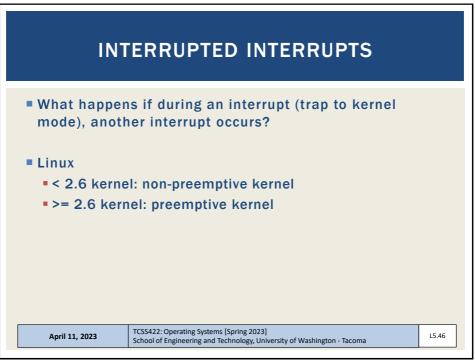




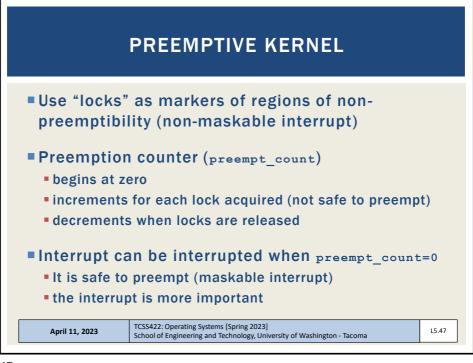


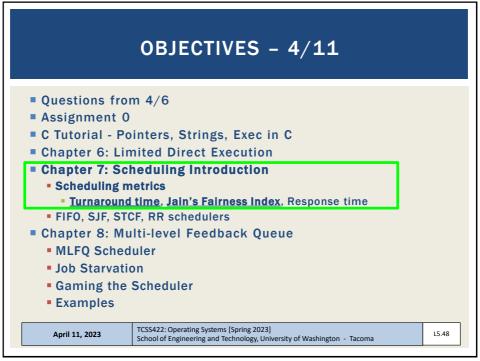




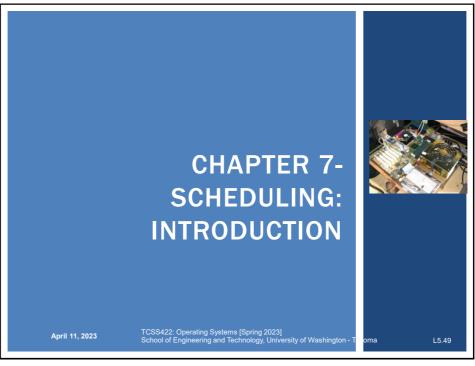


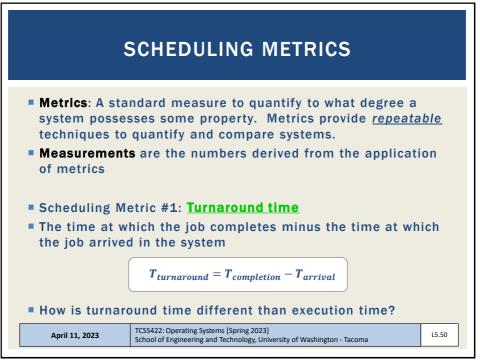
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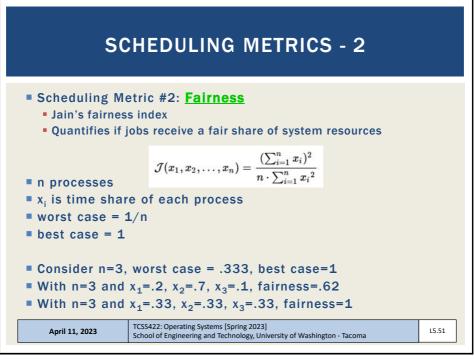


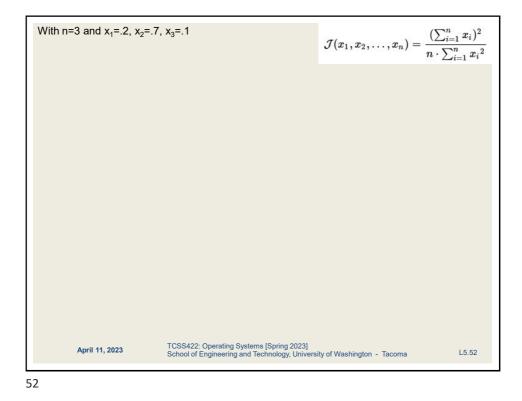


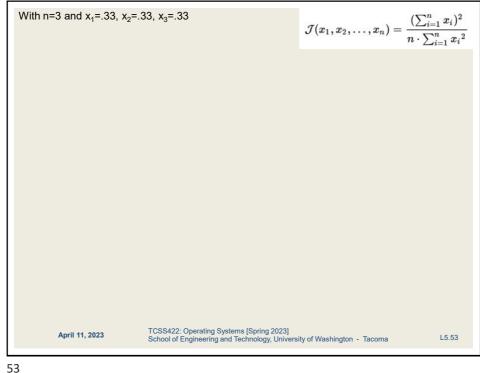




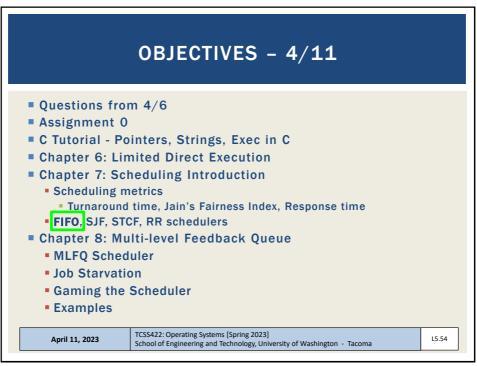




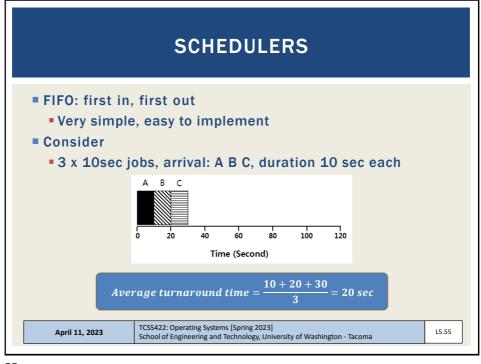


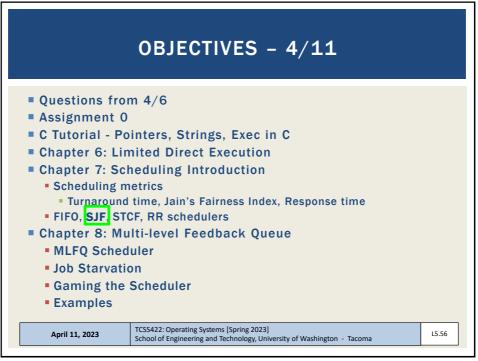




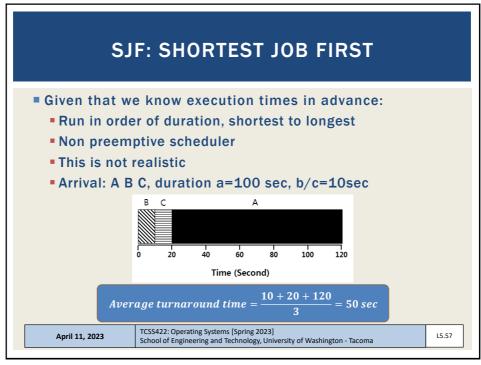


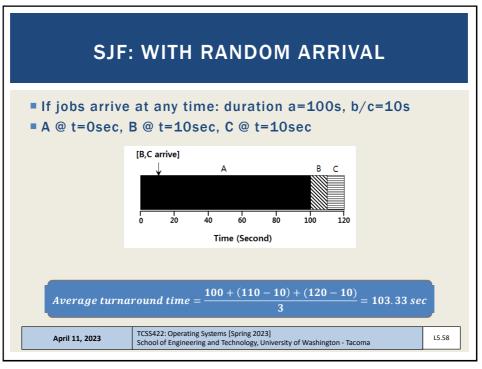


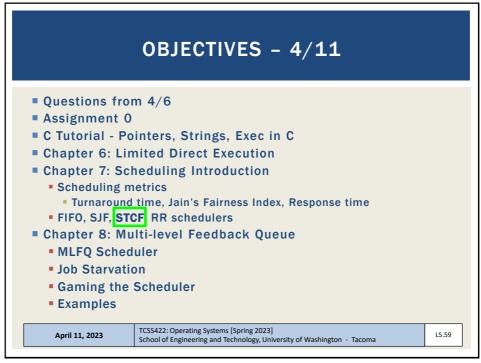


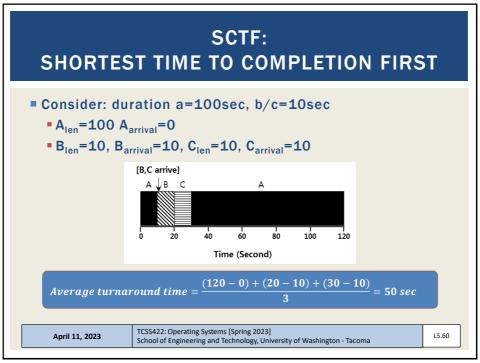




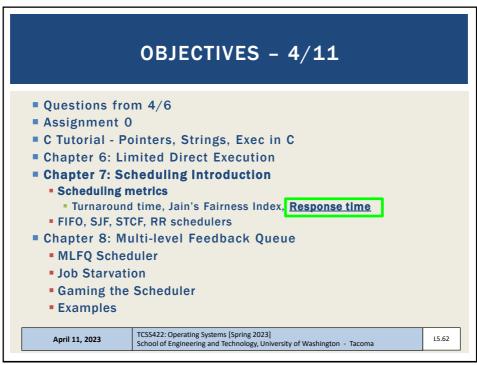




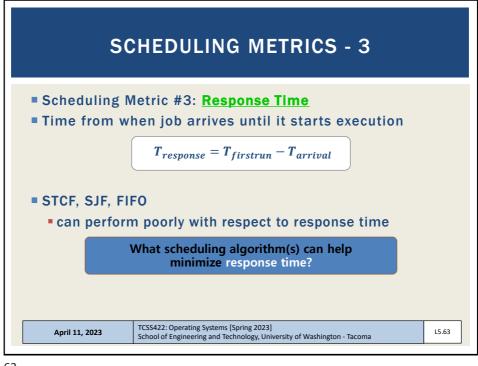


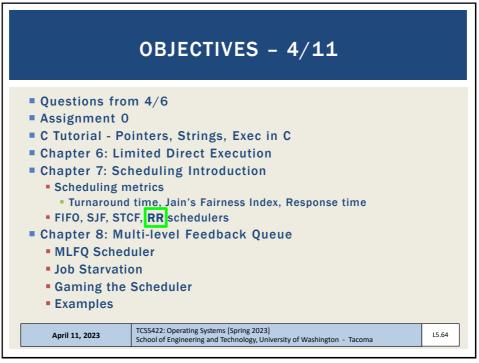




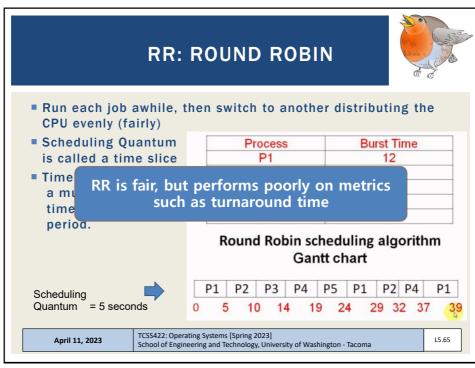


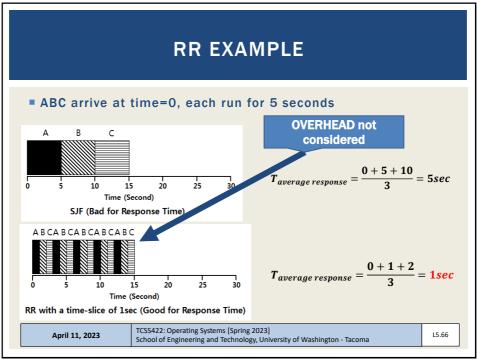


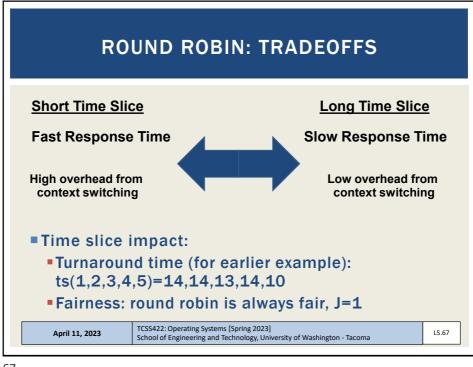


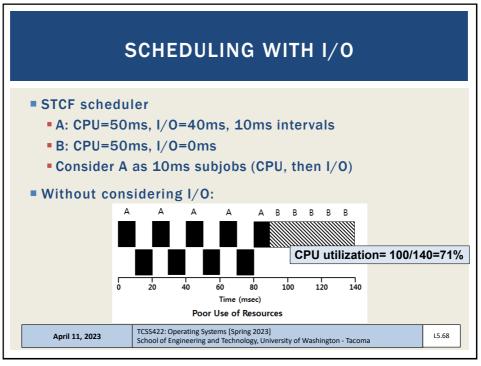


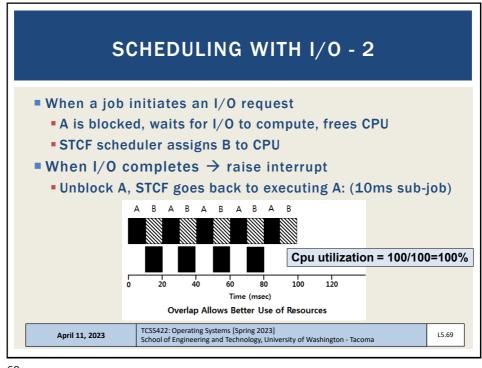


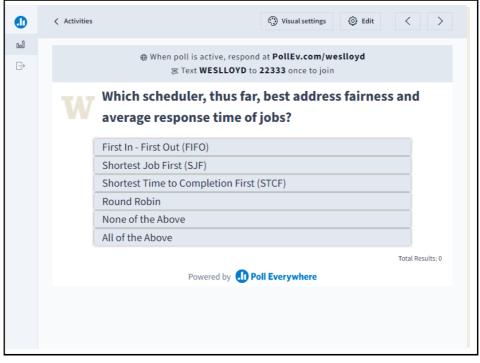


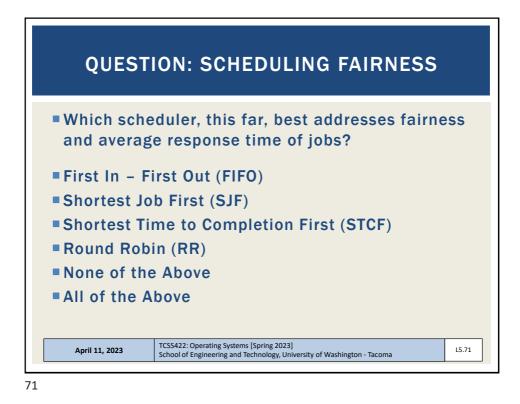


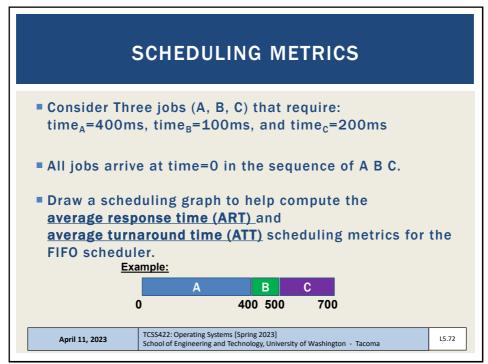


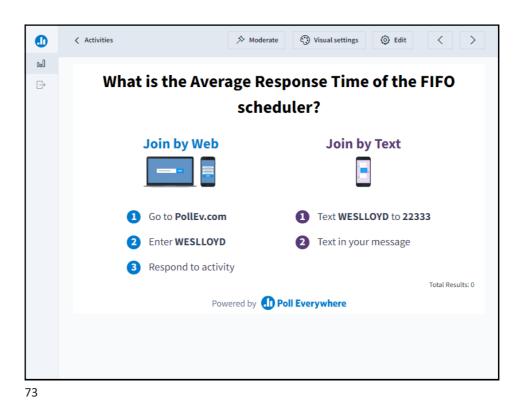


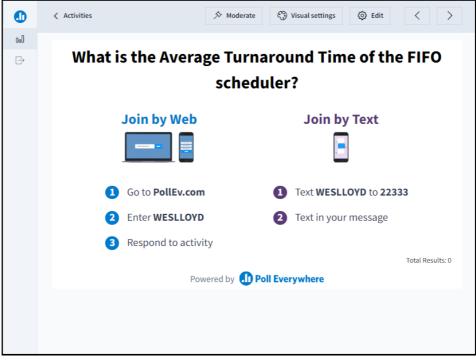


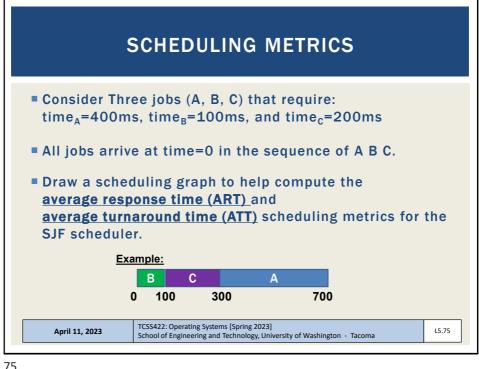


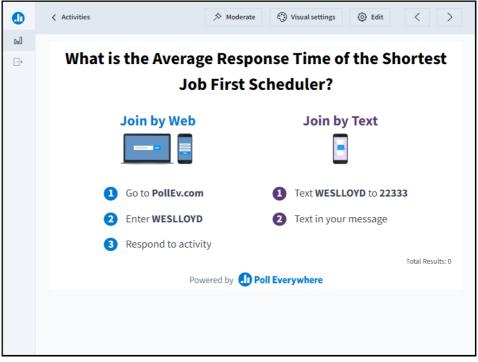


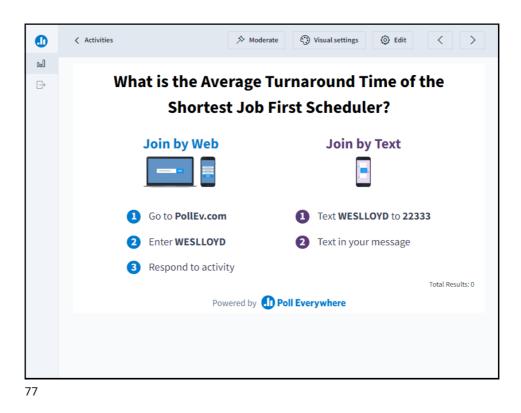


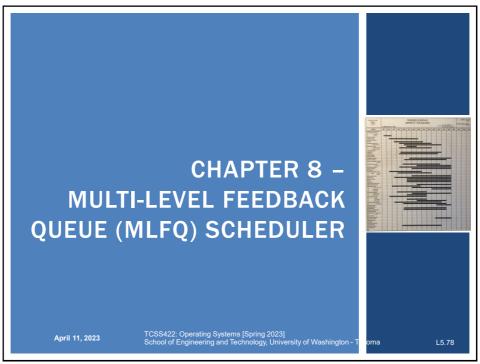


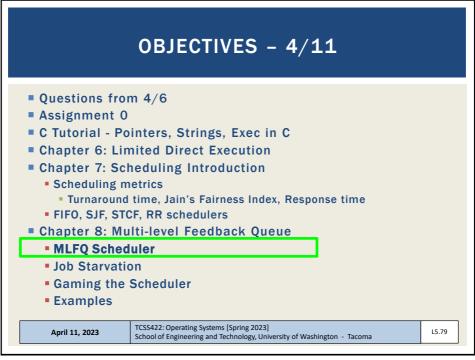


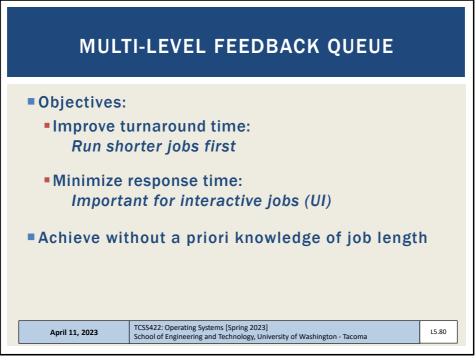


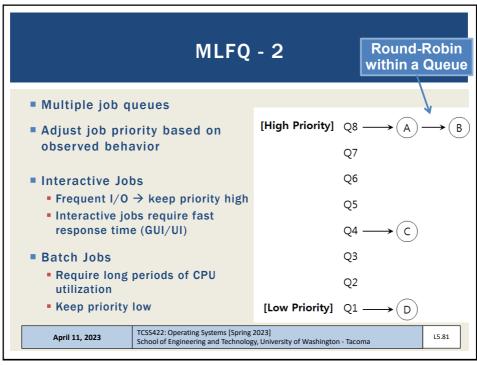


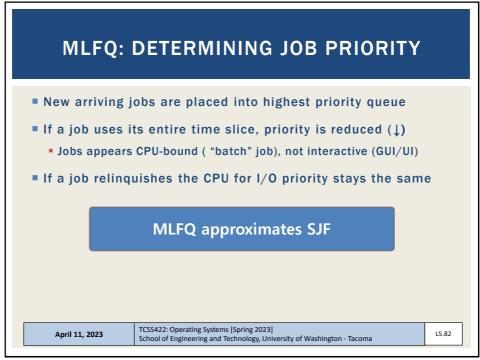


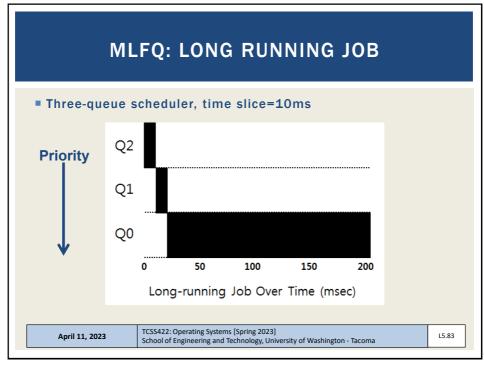


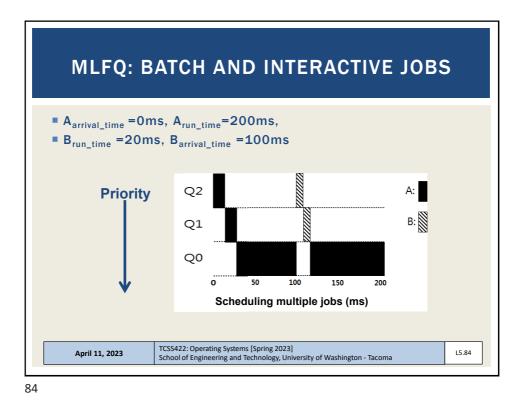




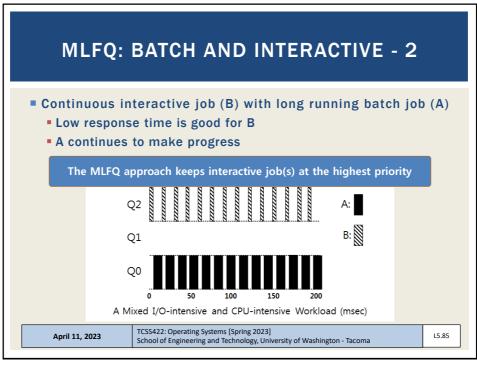


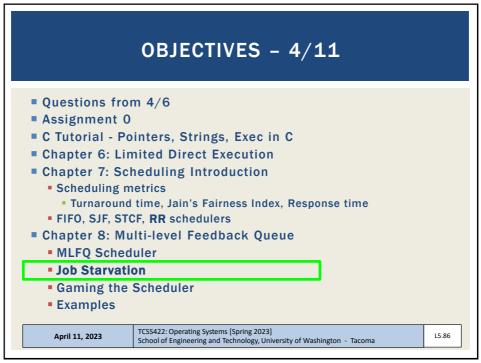






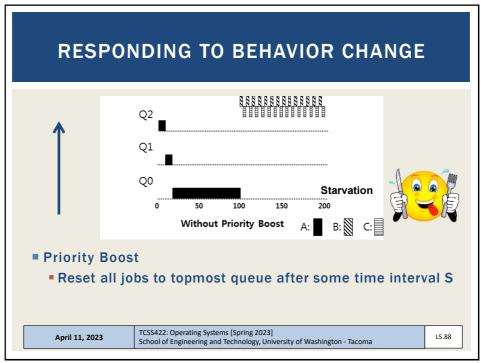
Slides by Wes J. Lloyd

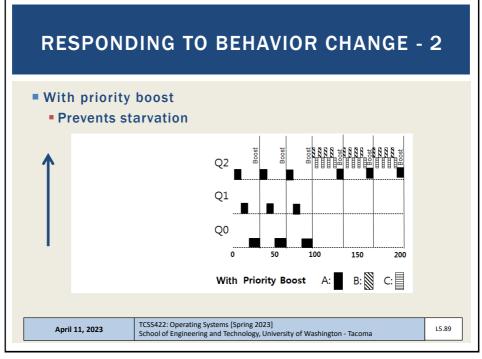


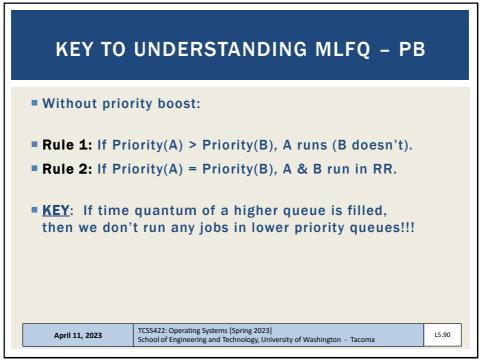


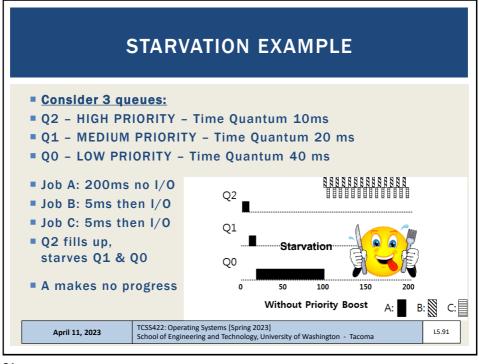


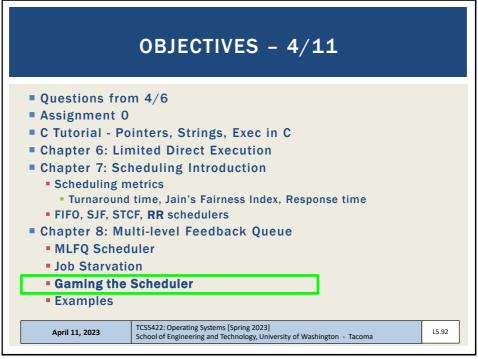
	MLFQ: ISSUES
Starvation	on
[High Priority]	$Q8 \longrightarrow (A) \longrightarrow (B) \longrightarrow (C) \longrightarrow (D) \longrightarrow (E) \longrightarrow (F)$
	Q7
	Q6
	Q5
	Q4
	Q3
	Q2
[Low Priority]	$Q1 \longrightarrow G \longrightarrow H$ CPU bound batch job(s)
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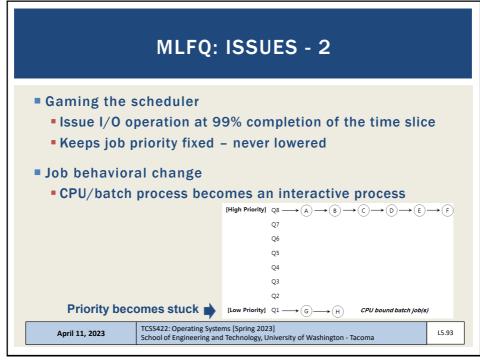


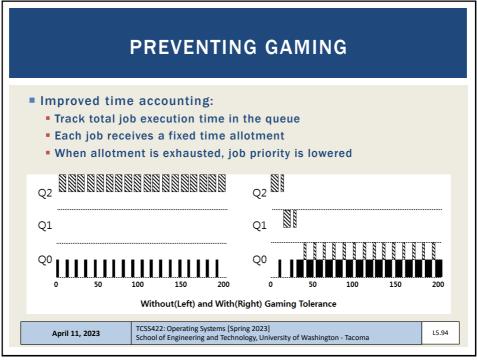


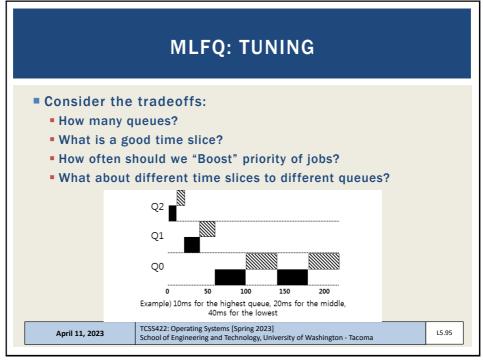


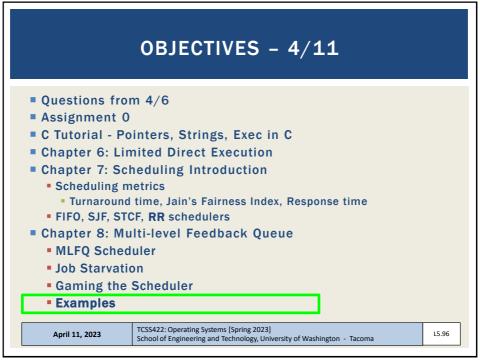




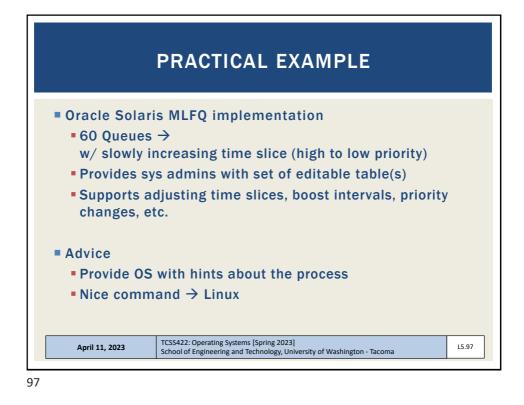


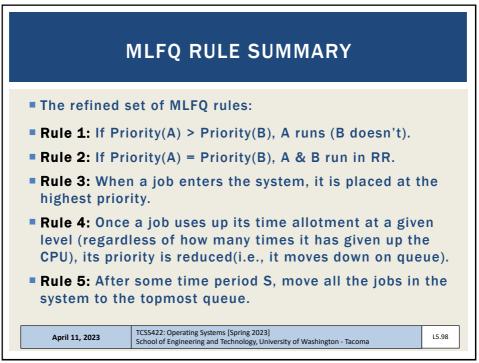














Jackson deploys a 3-level MLFQ scheduler. The time slice is 1 for high priority jobs, 2 for medium priority, and 4 for low priority. This MLFQ scheduler performs a Priority Boost every 6 timer units. When the priority boost fires, the current job is preempted, and the next scheduled job is run in round-robin order. Arrival Time .Joh Job Length T=0Δ 4 В T=0 16 С T=0 8 (11 points) Show a scheduling graph for the MLFQ scheduler for the jobs above. Draw vertical lines for key events and be sure to label the X-axis times as in the example. Please draw clearly. An unreadable graph will loose points. HIGH MED LOW 0 99

