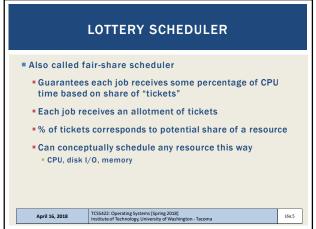
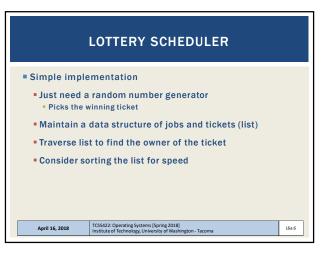


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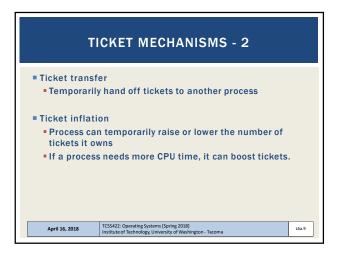


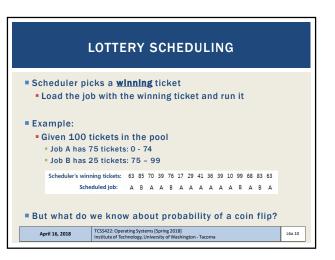


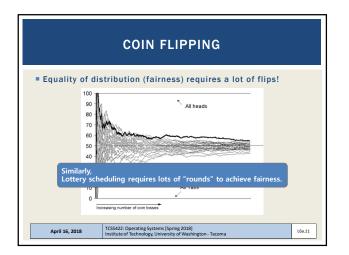
L6a.4

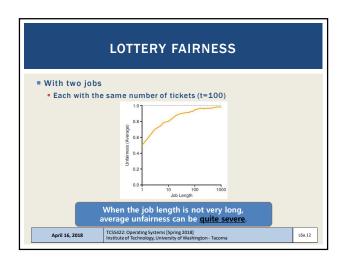
	ERY SCHEDULER IMPLEMENTATION
	head $\longrightarrow (J_{11x200} \longrightarrow (J_{10x50} \longrightarrow (J_{10x50} \longrightarrow (J_{10x250} \longrightarrow NULL)))$
1 2 3	<pre>// counter: used to track if we've found the winner yet int counter = 0;</pre>
4 5 6 7	<pre>// winner: use some call to a random number generator to // get a value, between 0 and the total # of tickets int winner = getrandmo(0, totalickets);</pre>
8 9 10	<pre>// current: use this to walk through the list of jobs node_t *current = head;</pre>
11 12 13	<pre>// loop until the sum of ticket values is > the winner while (current) { counter = counter + current->tickets;</pre>
14 15 16	<pre>counter = counter + current->tickets; if (counter > winner)</pre>
17	} // 'current' is the winner: schedule it

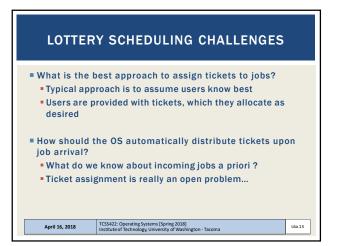
TICKET MECHANISMS									
 Ticket currency / exchange User allocates tickets in any desired way OS converts user currency into global currency Example: There are 200 global tickets assigned by the OS 									
		→ 500 (A's currency) to A1 → 50 (global currency) → 500 (A's currency) to A2 → 50 (global currency) → 10 (B's currency) to B1 → 100 (global currency)							
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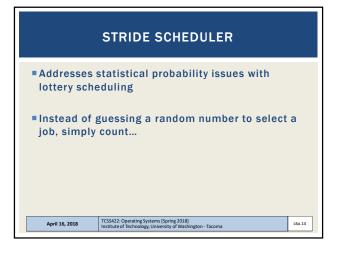


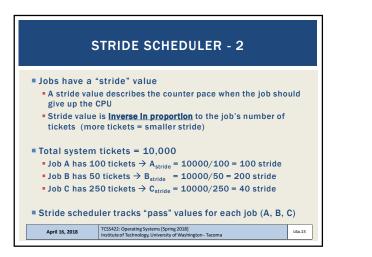


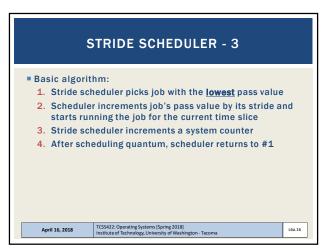


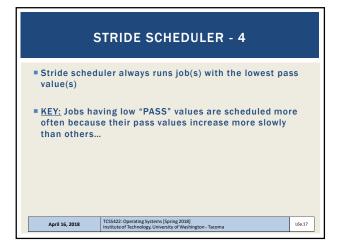


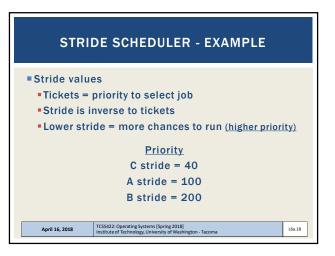


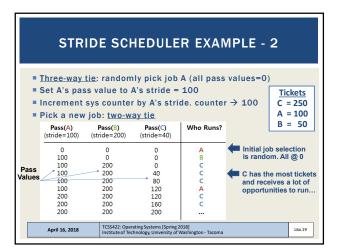


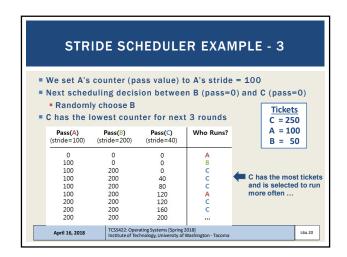












STRIDE SCHEDULER EXAMPLE - 4										
. • .	Job counte	rs support	determinin	g which job	to run ne	ext				
	Over time jobs are scheduled to run based on their									
priority represented as their share of tickets Tickets										
Tickets are analogous to job priority C = 250										
		_		-		A = 100				
	Pass(A) (stride=100)	Pass(B) (stride=200)	Pass(C) (stride=40)	Who Runs?		B = 50				
	0	0	0	Α						
	100	0	0	В						
	100	200	0	С						
	100	200	40	С						
	100	200	80	С						
	100	200	120	A						
	200	200	120	С						
	200	200	160	C						
	200	200	200							
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