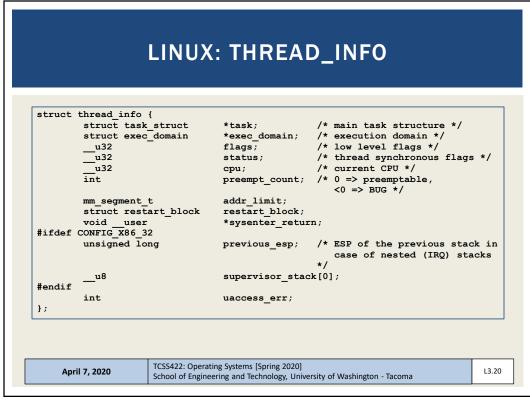
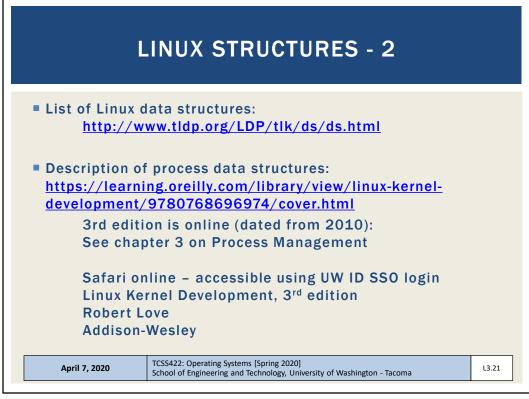
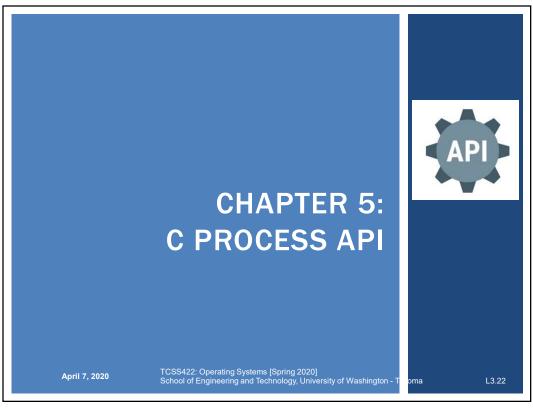
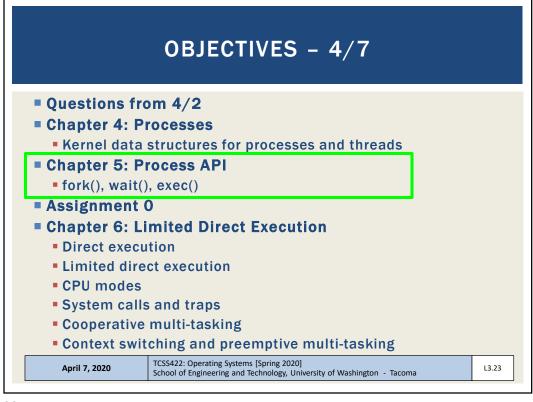


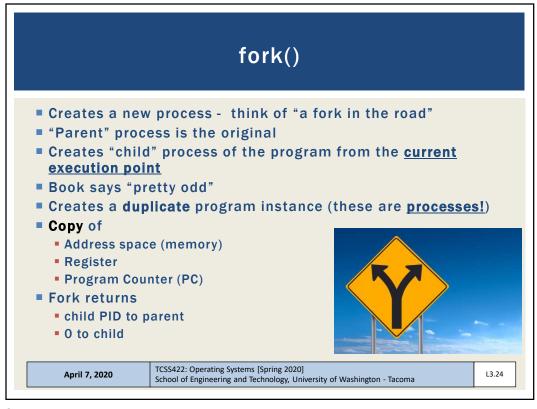
LINUX: STRUCTURES							
<pre>sk_struct, equivalent to struct proc</pre>							
cess description							
00+ bytes							
ux-headers-{kernel version}/include/linux/sched.h							
1 - 1852 (4.4.0-170) 5 LOC 1227 - 1587							
, 100 1221 - 1001							
read info, provides "context"							
h is at:							
x-headers-{kernel version} /arch/x86/include/asm/							
TCSS422: Operating Systems [Spring 2020] L3.19 School of Engineering and Technology, University of Washington - Tacoma L3.19							



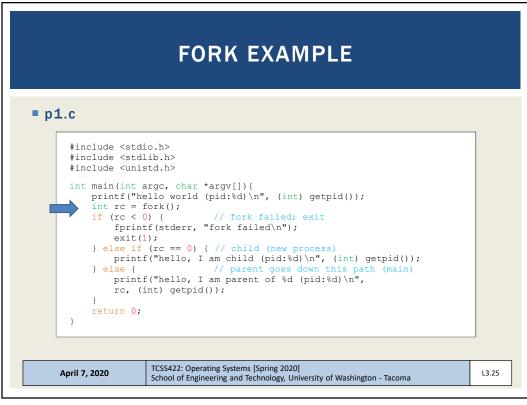


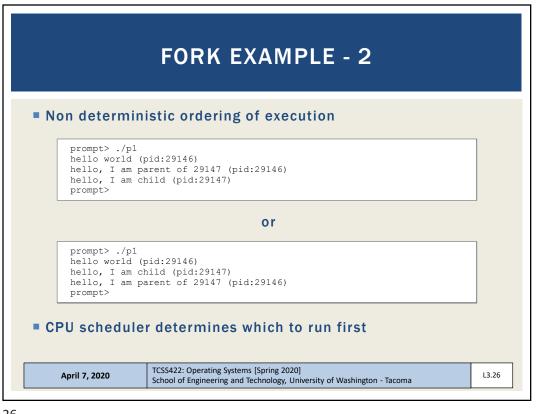


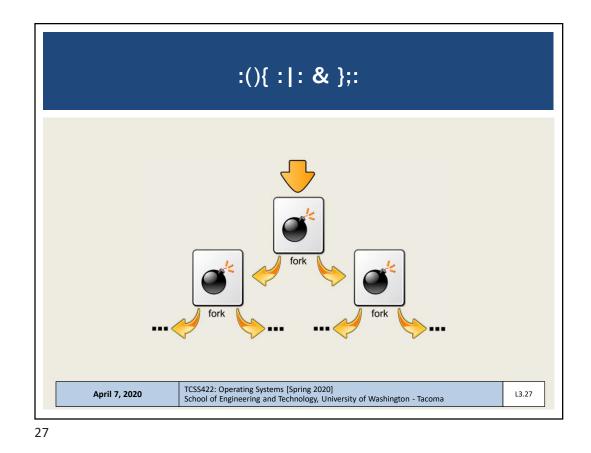


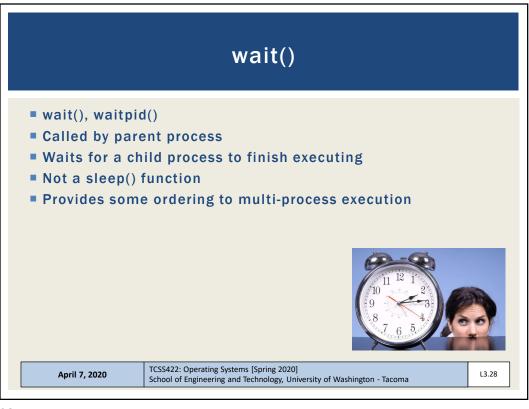




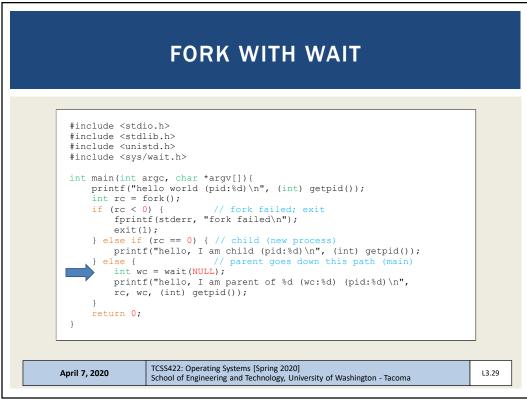


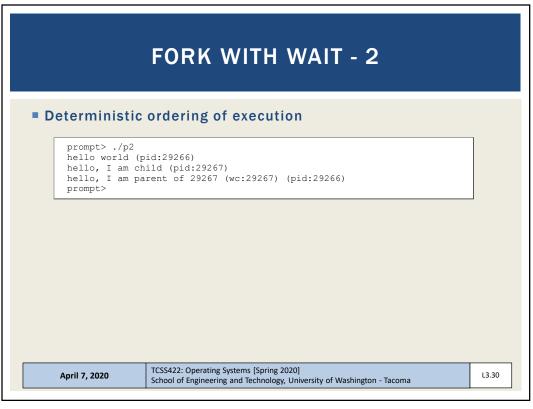






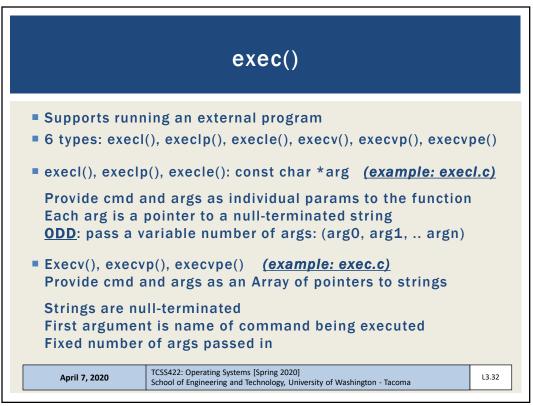


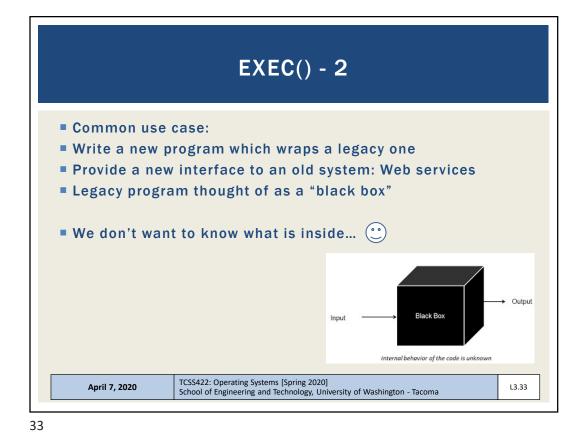


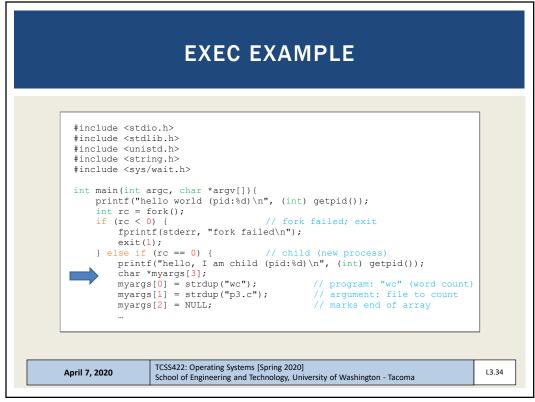




	FORK EXAMPLE	
Linux exampl	e	

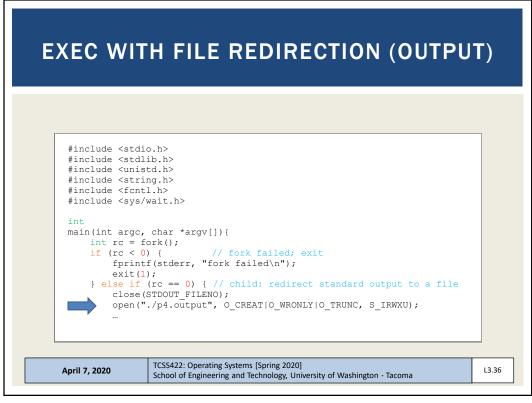


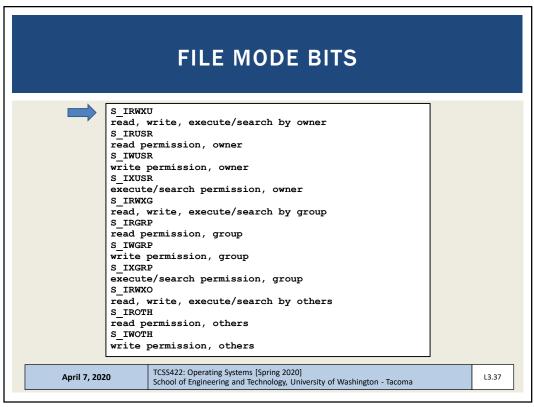


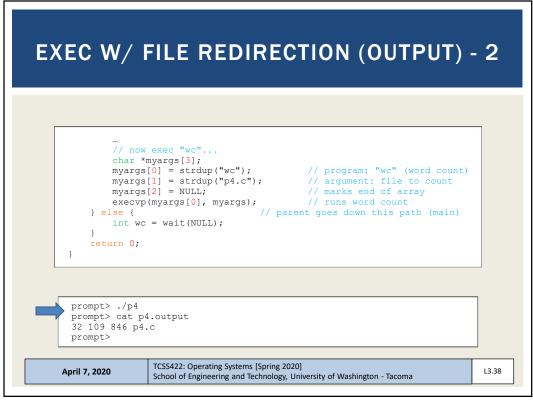




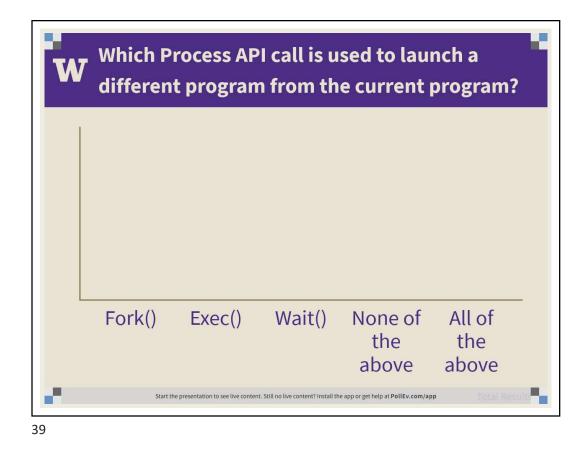
EXEC EXAMPLE - 2					
printf } else { int wc printf	<pre>(myargs[0], myargs); // runs word count ("this shouldn't print out");</pre>				
29 107 1030 p3	ild (pid:29384)				

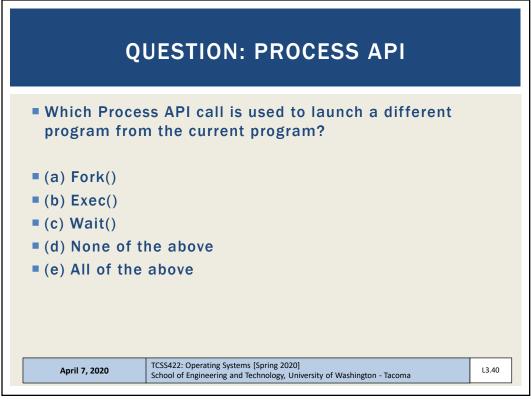




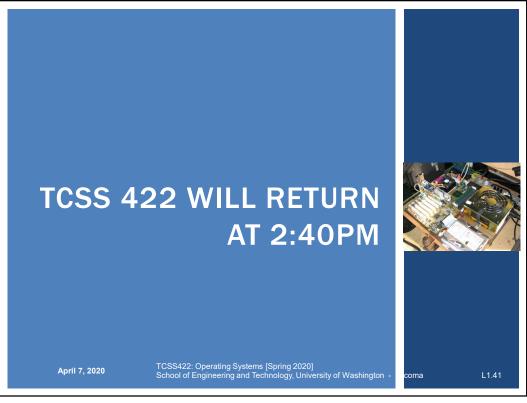


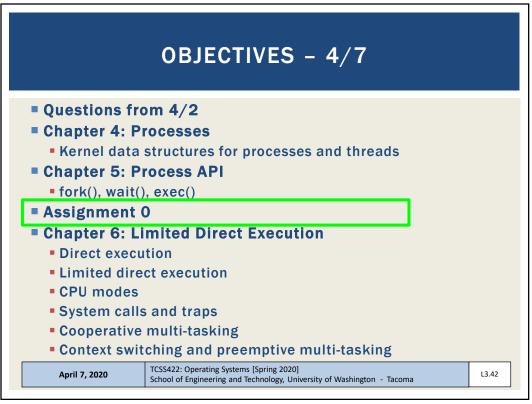




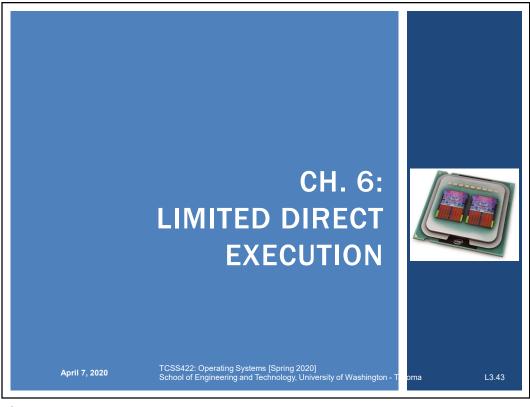


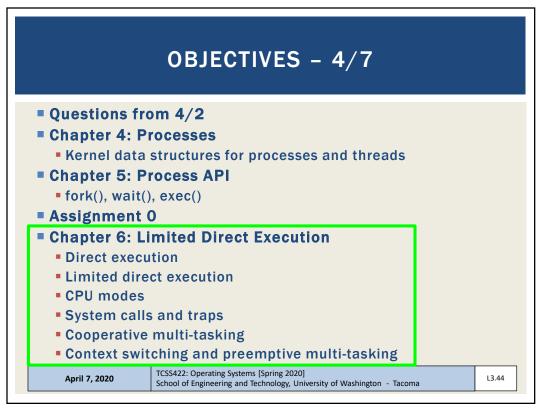




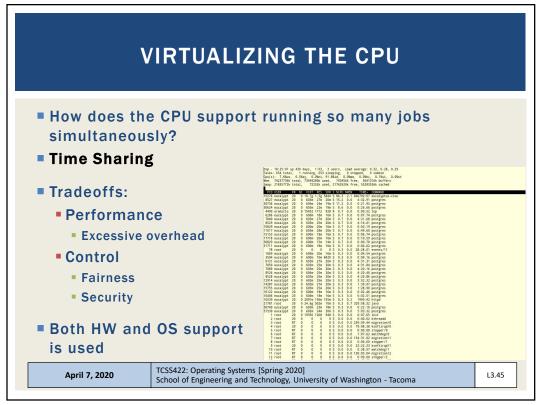


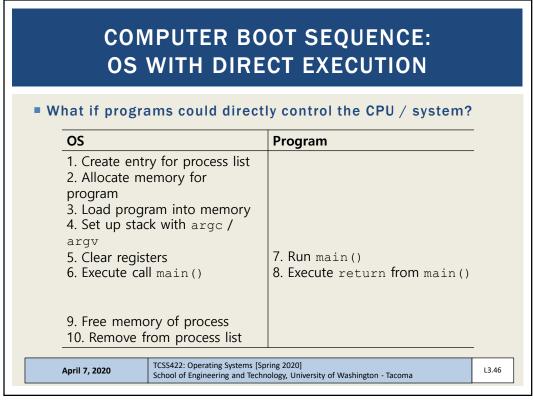




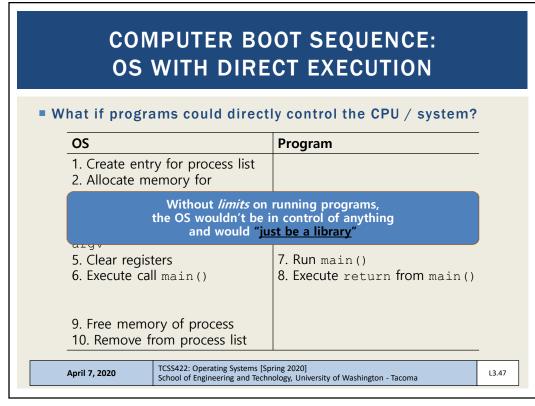


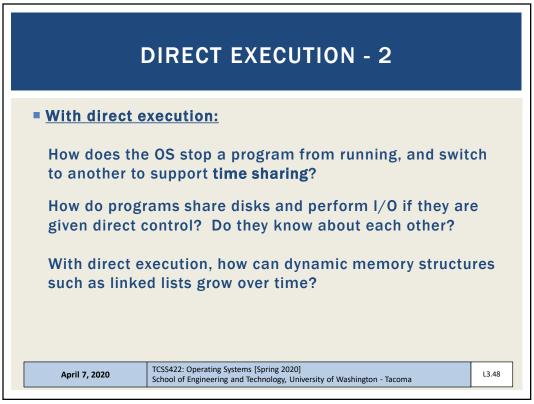


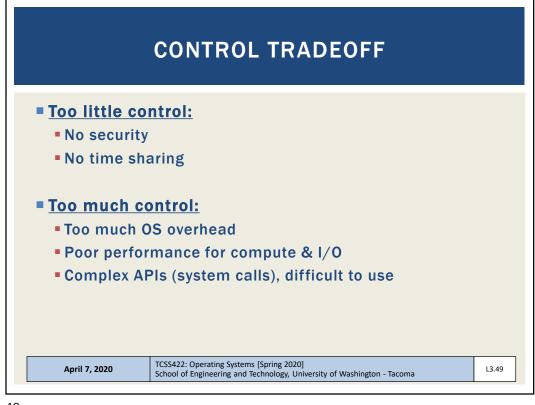


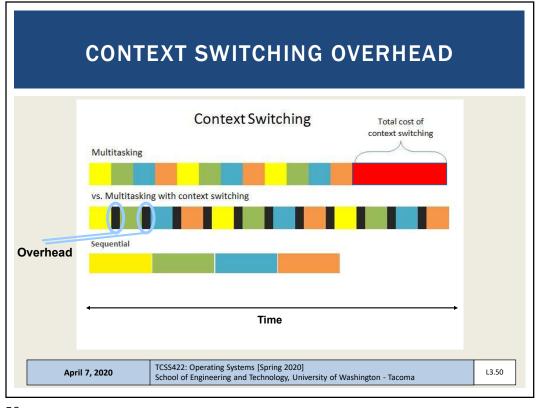


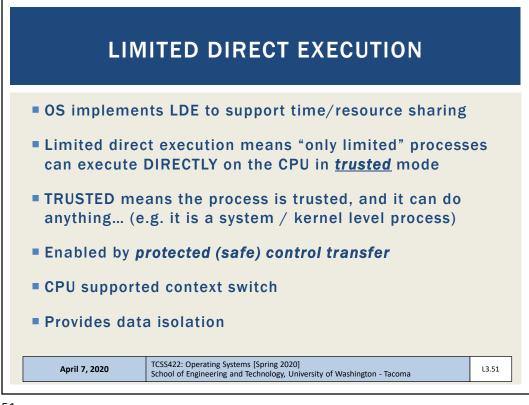


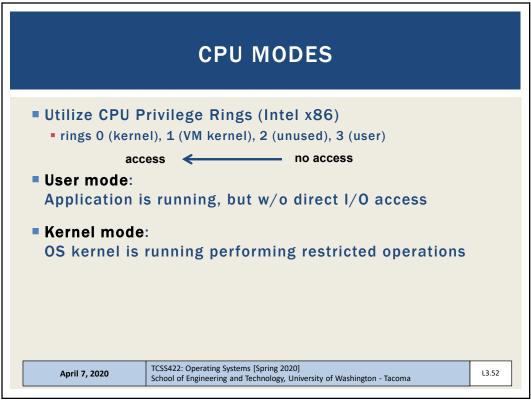




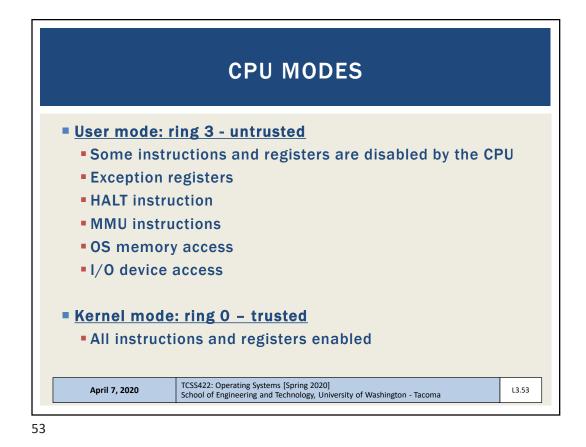


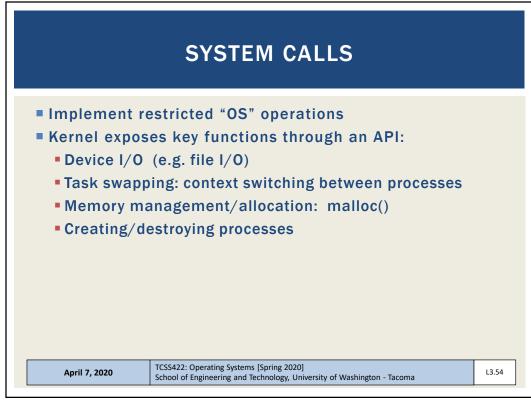




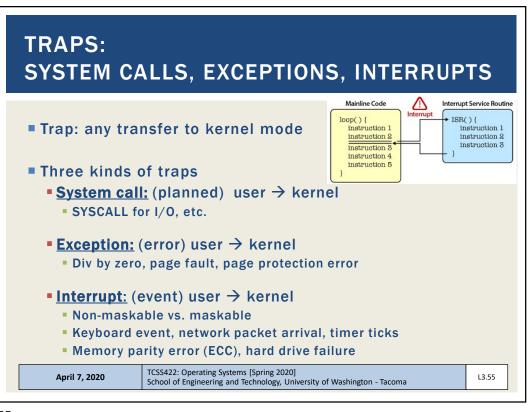












EXCEPTION TYPES							
Exception type	Synchronous vs. asynchronous	User request vs. coerced	User maskable vs. nonmaskable	Within vs. between Instructions	Resume vs. terminat		
l/O device request	Asynchronous	Coerced	Nonmaskable	Between	Resume		
Invoke operating system	Synchronous	User request	Nonmaskable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

