













COMP 790: OS Implementation Basic Model Application registers handlers with signal or sigaction Send signals with kill and friends – Or raised by hardware exception handlers in kernel Signal delivery jumps to signal handler – Irregular control flow, similar to an interrupt API names are admittedly confusing























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Nested Signals				
•	The original signal() specification was a total mess! – Now deprecateddo not use!			
•	 What signals are blocked (and delivered on sigreturn) Similar to disabling hardware interrupts 			
•	As you might guess, blocking system calls inside of signal handler are only safe with careful use of sigaction()	а		
		16		

















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Example			
ir ir ir if	<pre>nt pipe_fd[2]; nt rv = pipe(pipe_fd); nt pid = fork(); f (pid == 0) {</pre>	d write end	
}	<pre>aupz(pipe_ra(U], U); // Make the exec("grep", "quack"); else { close (pipe_fd[0]); // Close un</pre>	vead end stain	
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