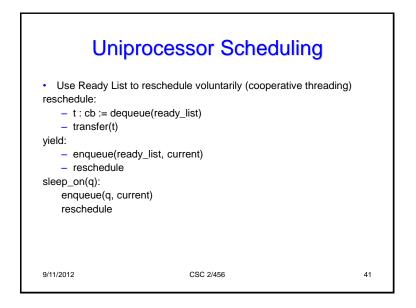


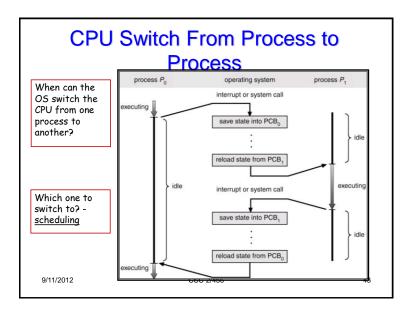
Scheduling: Transferring Context Blocks

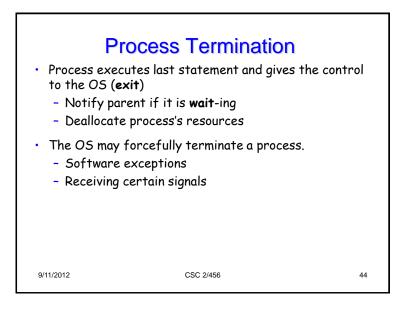
Coroutines

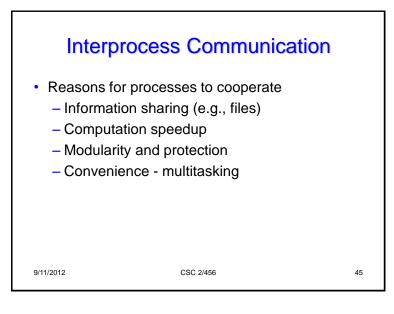
transfer(other) save all callee-saves registers on stack, including ra and fp *current := sp current := other sp := *current pop all callee-saves registers (including ra, but NOT sp!) return (into different coroutine!) 9/11/2012 CSC 2/456 40

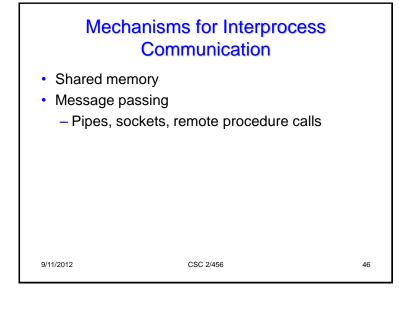


Preemption			
yields	_list, current)		
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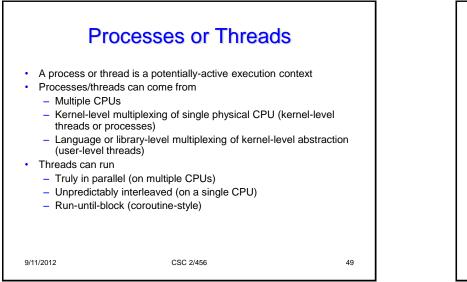






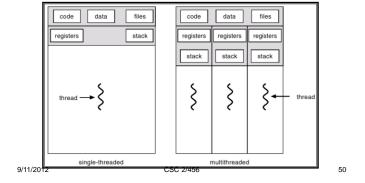
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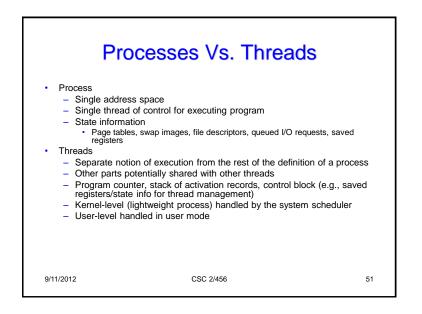
Mes	sage Passing		
 Direct or indirect communication – processes or ports Fixed or variable size Send by copy or reference Automatic or explicit buffering Blocking or non-blocking (send or receive) Examples: client-server sockets, Mach ports, Windows 2000 local procedure call (LPC), remote procedure call (RPC, RMI) 			
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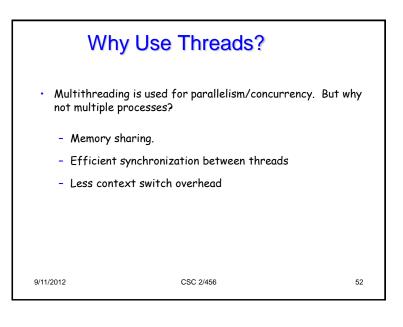


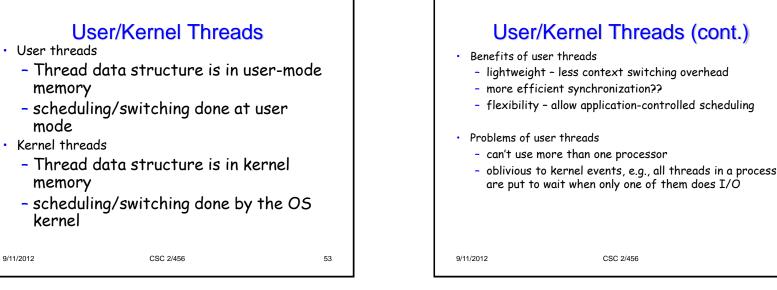


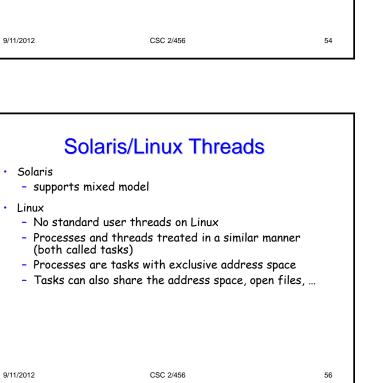
- Thread a program in execution; without a dedicated address space.
- OS memory protection is only applied to processes.

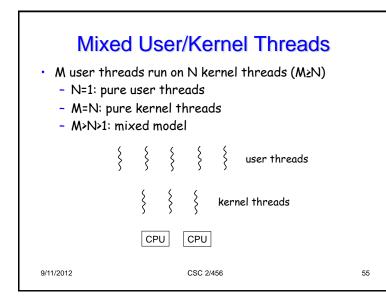












7

Pthreads

synchronization.

implementation.

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9/11/2012

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