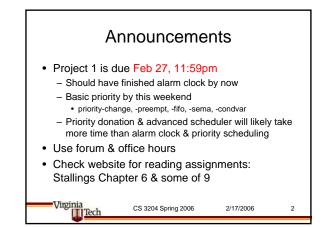
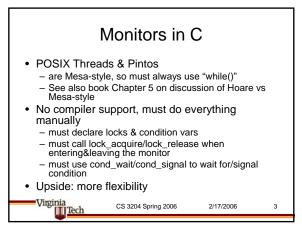
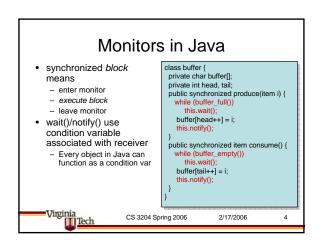
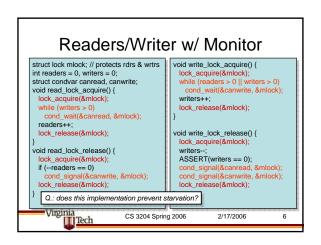
CS 3204 Operating Systems Lecture 14 Godmar Back







Per Brinch Hansen's Criticism See Java's Insecure Parallelism [Brinch Hansen 1999] Says Java abused concept of monitors because Java does not require all accesses to shared variables to be within monitors Why did designers of Java not follow his lead? Performance: compiler can't easily decide if object is local or not - conservatively, would have to make all public methods synchronized – pay at least cost of atomic instruction on entering every time Virginia Cs 3204 Spring 2006 2/17/2006 5



Optimistic Concurrency Control

