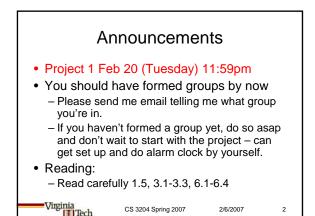
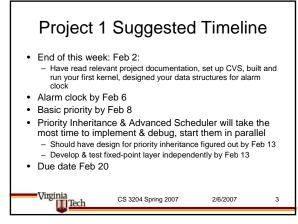
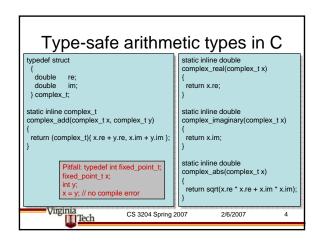
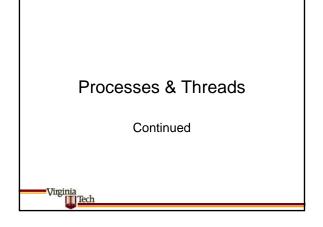
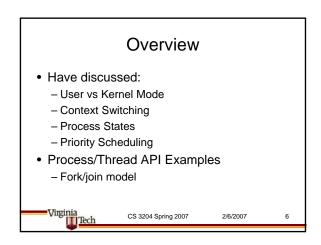
## CS 3204 Operating Systems Lecture 6 Godmar Back Virginia

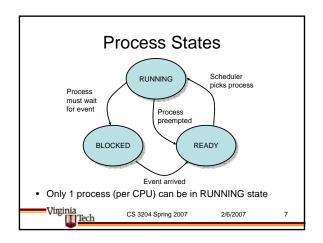


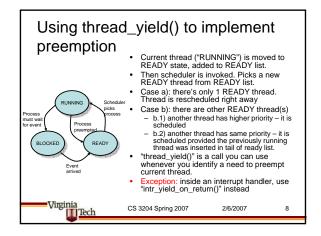






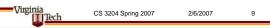






## **Reasons for Preemption**

- Generally two: quantum expired or change in priorities
- Reason #1:
  - A process of higher importance than the one that's currently running has just become ready
- Reason #2:
  - Time Slice (or Quantum) expired
- Question: what's good about long vs. short time slices?



## I/O Bound vs CPU Bound Procs

- Processes that usually exhaust their quanta are said to be CPU bound
- Processes that frequently block for I/O are said to be I/O bound
- · Q.: what are examples of each?
- What policy should a scheduler use to juggle the needs of both?



