

### **Hard Disk Drive (Ch. 37)**

#### **Discussion Questions**

- Show a video of HDD
- Would it be faster, slower, or the same for the OS to process all requests from process P1 then P2? How about when:
  - P1 and P2 perform sequential accesses?
  - P1 is random and P2 is sequential?
  - P1 and P2 perform random accesses?
- Is it faster, slower, or the same for a program to read 512 bytes or write 512 bytes?
- What is the advantage of Nearest Block First scheduling?
- What is the primary disadvantage of Nearest Block First?
  - starvation

- What is the hidden bias in Circular SCAN?
  - avg wait time for middle tracks is half of outer and inner tracks
- How is anticipatory disk scheduling similar to coalescing interrupts?