

Outline for May 13, 2022

Reading: *text*, §36–37

Assignments: Homework 3 and Extra Credit 3, due May 23, 2022
Lab Exercise 2, due June 2

1. Announcements
2. Disk device drivers
 - (a) Virtualization of disk sectors
 - (b) Assumptions for comparing disk scheduling methods
3. Disk access policies
 - (a) First come, first serve (FCFS)
 - (b) Pickup
 - (c) Shortest seek time first (SSF, SSTF)
 - (d) SCAN
 - (e) N-Step SCAN
 - (f) C-SCAN
 - (g) LOOK, N-Step LOOK, C-LOOK
4. Comparison
5. Optimizations
6. Process interface
 - (a) *open, close*
 - (b) *seek, lseek*
 - i. Disambiguation between successful, unsuccessful *lseek*
 - (c) *read, write*
 - i. Scatter-gather
 - ii. Blocking, nonblocking
 - (d) *control, ioctl*