Outline for May 9, 2022

Reading: *text*, §20, 36–37   **Assignments:** Homework 2 and Extra Credit 2, due May 11 (Note extension)

1. Announcements

2. Thrashing

3. Principle of locality

4. Working set model
   (a) Properties
   (b) Example
   (c) Implementation issues

5. Approximations
   (a) WSCLOCK
   (b) Working Set Size (WSS)
   (c) Page Fault Frequency (PFF)

6. Other considerations
   (a) Prepaging
   (b) IO interlock
   (c) Page size
   (d) Program structure

7. Devise I/O Overview
   (a) Kernel level I/O routines
   (b) Issues with device I/O

8. Kernel I/O goals
   (a) Character code independence
   (b) Device independence
   (c) Efficiency
   (d) Uniform treatment of devices