

# EECS 211: Advanced System Software Lecture 11

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## Storage Management

- Excerpts from chapter 13 of  
“*Operating System Concepts*”, 7<sup>th</sup> Edition,  
by A. Silberschatz, P. B. Galvin, G. Gagne,  
John Wiley & Sons, 2005.
- I/O Systems
- Note: We skip chapter 12, “Mass-Storage Structure”
  - Hard disks are devices (important, but still only devices)
  - Modern hard disks handle physical block layout internally
    - Cylinder, track, sector numbers (and bad blocks)
  - OS only sees logical block numbers
  - RAID may be covered in the end (if there is time left)