- **Lecture 14: Process Scheduling**
  - FCFS
  - SJF
  - ROUND ROBIN
  - EDF
- **Lecture 15: More Scheduling**
  - Priority based scheduling
  - Multilevel queue scheduling
  - Linux scheduler
  - CFS in linux
  - Wait time calculation
  - Virtual run time
  - CFS' red black tree
  - Real time and multicore scheduling
- **Lecture 16: Memory Management**
  - Memory hierarchy
  - MMU
  - Runtime binding with static linking
  - Swapping fragmentation and segmentation
- **Lecture 17: Paging**
  - Page table base register(PTBR)
  - Page table
  - Translation-lookaside buffer(TLB)
- **Lecture 18: Virtual Memory**
  - On-Demand paging
  - Page replacement policies
- **Lecture 19: Paging Policies**
  - FIFO
  - OPT
  - LRU
  - Beladys anomoly
  - Frame allocation
  - Thrashing
  - Memory mapped files
  - Replacement policies
- **Lecture 20: Storage Management**
  - Magnetic media
  - Disk scheduling
  - Seek time
  - Flash memory

- **Lecture 22: File System Implementation**
    - File allocation
    - Free space management
    - File system Performance, reliability, and fault recover
    - Log based recovery
    - Journaling
- **Lecture 24: Networking**
    - Protocols
    - Layers
    - Packetization
- Lecture 26: Virtual Machines
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