**Operating System Theory**

**Syllabus**:

* Basic Introduction
  + Types
  + Process Diagram
  + System call
* Process Scheduling
  + FIFO
  + SJF
  + ROUND ROBIN
  + PR…
* Process Synchronization
  + Semaphore
* Deadlock & Threads
  + Banker algorithm
* Memory Management
  + Paging
  + Virtual memory
  + Segmentation
  + Fragmentation
  + Page Replacement
* Disk Scheduling
  + SCAN
  + CSCAN
  + FSFS
* Unix commands
* File management and Security
  + Sequential algorithm
  + Random algorithm
  + Linked algorithm