**Topics and what I have learnt so far in Computer Networks and Operating Systems unit:**

* Overview
  + What Operating Systems are
  + Different types of Operating Systems
  + History of Operating Systems
* Processes and Threads
  + What are processes, threads (differences)
  + How are processes created, terminated
  + What are the different state transitions, states
  + What is the PCB
  + What data does the PCB store
  + How is it used
  + Differences between user and kernel mode inc. user threads and kernel threads
  + Many-to-one model
  + One-to-one model
  + Many-to-many model
  + Thread scheduling
* Process Scheduling
  + What are the differences between the three types of process scheduling
  + What is short-term scheduling
  + Criteria (both user and system-oriented) of scheduling
  + What are scheduling algorithms (parts)
  + What are the FCFS, RR and FQ scheduling algorithms
  + What is service-based scheduling
  + How to estimate service time
  + What are the SJF/SPN, SRT and HRRN scheduling algorithms
* Concurrency
* Deadlocks
* Memory Management