**COMPSCI 377: Operating Systems**

Learning outcomes and Review of Week 3

Things you should know or be able to do

**Lecture 5 & 6:**

* What are process state queues?
* Long term vs. short term scheduling
* Preemptive vs. non-preemptive scheduling
* Criteria for scheduling algorithms: CPU utilization, throughput, turnaround time, waiting time, response time
* Scheduling policies: FCFS, RR, SJF/SRTF, MLFQ, Lottery scheduling
* How each one works? Pros and cons of each
* Given jobs, job lengths, arrival time, find completion times and wait times
* What is starvation?
* MLFQ favors I/O bound jobs over CPU-bound jobs
* What is a thread?
* Threads have their own stack, PC, registers