Outline for October 14, 2008

1. Kinds of process schedulers
   a. Long-term scheduler
   b. Short-term scheduler
   c. Medium-term scheduler

2. Scheduling considerations and overview
   a. Metrics: throughput, turnaround, response, resource use, waiting time, consistency
   b. Distinguishing characteristics of processes
      i. Priority
      ii. Anticipated resource need (including running time)
      iii. Running time
      iv. Resources used so far
      v. Interactive/non-interactive
      vi. Frequency of I/O requests
      vii. Time spent waiting for service

3. Universal scheduler

4. Some scheduling algorithms
   a. First come first serve (FCFS)
   b. Shortest process next (SPN), preemptive shortest process next (PSPN)
   c. Round robin (RR)
   d. Multilevel Feedback Queue (MLFB)

5. External priority methods
   a. Deadline scheduling