CECS 326-01 Chapter Exam 3 Study Guide

Exam 3 is scheduled on 10/19/2021. Exam questions are mostly objective that include multiple choice, and true or false. The exam covers roughly the second half of Lecture Notes 2-Processes (slides 15-17 and 21-end). It is important to understand, for each of the following terms, what it is, what it is for, and all relevant concepts related to it in operating systems.

- Process creation on Linux
- Common models of IPC: shared memory and message passing
- Methods of communication among processes: direct vs indirect, blocking vs non-blocking
- IPC with message passing, using message queue on Linux: system calls and two example programs for their use
- IPC with shared memory: generic solution for a simple producer/consumer problem through a bounded buffer, POSIX implementation of shared memory on Linux: system calls and example code for their use
- IPC with pipes: ordinary pipes and named pipes