

# CS314: Lecture Note (Lecture #9, February 6, 2024)

## 1. Ask students to come forward and pick up:

- Attendance card
- Quiz #5 question list

## 2. Announcements:

- Quiz #4 has been graded (should be returned at the end of today)
  - the solutions for Quiz #3 and #4 have been posted to the course website
- Quiz #5 is scheduled this Thursday (2/8)

## 3. Wrapping up Project #1

- Fork system call
- System calls for shared memory
- System calls for semaphore
- Sample \*.c source code file (with\_semaphore.c)
- Shared memory and semaphore keys (assigned to each of you)
- Spin-waits
- No process deadlock
- Expectations
  - Early testing
  - Policy for questions (no email, no new questions within 48 hours before the final submission due)
  - The exams will ask some questions about the projects (including this project)

## 4. Process deadlock

## 5. Quiz #5 review (10 to 15 minutes)

- A timekeeper wanted