

# CS314: Lecture Note (Lecture #13, February 20, 2024)

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

- Attendance card
- Exercise handout

## 2. Announcements:

- Quiz #6 has been graded (should be returned at the end)
- No quiz this week
- Project #1 submission due: 9:30 a.m. on February 23rd (Friday)
- Midterm exam (on 2/27)
  - 75-minutes
  - Three types of questions: CAT-I, II, and III questions
  - A calculator
  - One-page (in the US-standard letter size) personal memo (“cheat sheet”)
  - Suggested to be on campus about 10 to 30 minutes earlier (for your safety)
  - Trying previous exam questions are strongly suggested to everyone (especially to those whose quiz average is lower than 90.0 points)

## 3. Discussions

- Producer-Consumer Problem using a CFQ (Circular FIFO Queue) - overview
- Solutions and code-optimizations (Exercise Questions on February 6th, 2024 (PART II))
- Dining-philosopher Problem