

CS447 Networks and Data Communications

June 30 Lecture Note

0. Announcements:

- (1) **Project #1** grades have been posted to the course home
 - Any issue should be reported in the next 14 calendar days
- (2) **Quiz #2** grades have been posted to the course home
 - Any issue should be reported in the next 14 calendar days
- (3) **Homework #2** grades have been posted to the course home
 - Any issue should be reported in the next 14 calendar days
- (4) **Homework #3** due today (11:00am, June 30)
- (5) **Quiz #3** is scheduled at the end of today
 - A timekeeper wanted.
- (6) **Homework #4** questions will be emailed to each of you by noon tomorrow (7/1)
- (7) **Quiz #4** is scheduled on Tuesday next week (7/7)

1. Flow Control for packet-switching networks

- General concept of flow-control (SlidingWindow.ppt)
- Stop-and-wait flow-control
 - Its concept
 - Stop-and-wait Performance analysis
 - Exercises
- Sliding-window flow-control
 - Its concept
 - Sliding-window Performance analysis

- Exercises (Exercise_June_23_2026.pdf)

2. TCP Flow control

- Slow-start & linear growth
 - Exercises (Exercise_Questions_on_July_7_2026.pdf)

3. Error Control

- Concept (Error_Control_Concept.ppt)