

CS447 Networks and Data Communications

June 25 Lecture Note

0. Announcements:

(1) Project #1

- Submission due: 11:00 a.m. tomorrow: submit only your “server_ddd.cpp”
- Suggested resource (especially for the server process)

<https://ykkim.gitbook.io/ec/other-programming/socket-programming/window-socket-programming>

(2) Quiz #3 is scheduled on Tuesday next week (June 30)

- The sample questions for Quiz #3 had been emailed to each you yesterday (they are also posted to the course home).
- We will review the sample questions for Quiz #3 today

(3) Homework #3 due

- The actual Homework #3 questions had been emailed to each you yesterday (they are also posted to the course home).
- We will try exercise questions today
- Submission due: 11:00 a.m., June 30

1. IP subnet and subnet mask)

- Exercises

2. Flow-Control for packet-switching networks

- General concept of flow-control
- Stop-and-wait flow-control
 - Its concept
 - Stop-and-wait Performance analysis
 - Exercises
- Sliding-window flow-control
 - Its concept
 - Sliding-window Performance analysis
 - Exercises

3. TCP Flow-control

- Slow-start & linear growth
 - Exercises