

CS447 Networks and Data Communications

July 21 Lecture Note

1. Announcements

(1) **Homework #5** has been graded

- HW #5 grades have been posted to the course home
- The solutions have been posted to the course home

QUESTION #2: justification/explanation is required for full credit

(2) **Quiz #5** has been graded

- HW #5 grades have been posted to the course home
- The solutions have been posted to the course home

(3) **Homework #6:**

- Submission due: 11:00 am Thursday next week (July 23)
- Homework #6 questions will be emailed to each of you by 12:00 p.m. tomorrow

(4) **Quiz #6** is scheduled on Tuesday next week (7/23)

(5) **Final exam at 11:00 a.m., on July 30th (Thursday)**

- (a) 100-minute exam
- (b) a cumulative exam
- (c) a synchronous exam (start at 11:00 a.m., and end at 12:40 p.m. on 7/30)
- (d) the final exam covers:
 - (i) Quiz questions: a few new questions will be added
 - (ii) Exercise questions: both those we covered in the lecture and the others we did not go through in the lectures (as long as the topics were covered in the lectures).
 - (iii) Programming projects (the question(s) will not require you to write program codes).

2. Network Security Fundamentals

(5) Digital certificate

3. Discuss Quiz #6 questions

4. MAC (Medium Access Control) for Local Area Networks

(e) CSMA (Carrier Sense Multiple Access) and CSMA/CD (with Collision Detections)

(f) Persistency algorithms

(g) Exercises

5. Homework #6 discussions (1:10 – 1:40 p.m.)

- a timekeeper wanted