

This lecture will be recorded!!!

Welcome to

**CS 3516:**  
*Computer Networks*

Prof. Yanhua Li

Time: 9:00am –9:50am M, T, R, and F  
Zoom Lecture  
Fall 2020 A-term

# Mid-term exam

6 questions in the exam,

50 minutes

32 points + 3 bonus points.

Open book

# Mid-term exam

Q1: Network performance: packet delay

Q2: HTTP

Q3: RDT

Q4: Transport layer protocol intro, UDP

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Q5: Network performance: packet delay

Q6: DNS

# Q4 in sample question

# Q4 in Sample Questions:

## Message Segmentation

- Without Message Seg (cons)
  - 1. If there is a *single bit error*, *the whole message has to be retransmitted*
  - 2. huge packets are sent into the network. Smaller packets have to queue behind enormous packets and *suffer unfair delays*
- With Message Seg
  - 1. Packets have to be put in sequence at the destination (*additional operations*)
  - 2. The total amount of header bytes is more (1 point). (*additional header bytes*)
  - 3. Lower total delay (*pro*)

# HTTP redirection

Client ->

Good Luck to your mid-term exam