edX   **HKUSTx:** ELEC1200.3x A System View of Communications: From Signals to Packets (Part 3)

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5.1 Transport Layer
Week 3 Quiz due Feb 15, 2016 at 15:30 UTC ✏️

5.3 QUIZ QUESTION 1 (1/1 point)

Which of the following is/are performed by TCP, but **NOT** by UDP?

☐ Error detection

☑ Reliable in order segment delivery ✔

☑ Connection establishment ✔

☐ Multiplexing

✔

EXPLANATION

Error detection and multiplexing are performed by both UDP and TCP.

On the other hand, UDP segments may be delivered out of order to application. UDP is connectionless. There is no handshaking between the sender and receiver, and each UDP segment is handled independently of others.

You have used 1 of 2 submissions

5.3 QUIZ QUESTION 2 (1/1 point)

Which of the following is part of the TCP header, but **NOT** the UDP header?

- ◯ Checksum

- ◯ Destination port number

- ◉ Sequence number ✔

- ◯ Source port number

EXPLANATION

The sequence number is used by TCP in order to ensure that packets are delivered to the application in order. In UDP, segments may be delivered out of order to application.

The source/destination ports are required by both protocols in order to perform multiplexing/demultiplexing. The checksum is required by both applications for error detection.

You have used 1 of 2 submissions

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