

Lecture 11b - Transport Layer - UDP

- TypeLecture
- MaterialsEmpty
- Reviewed✔

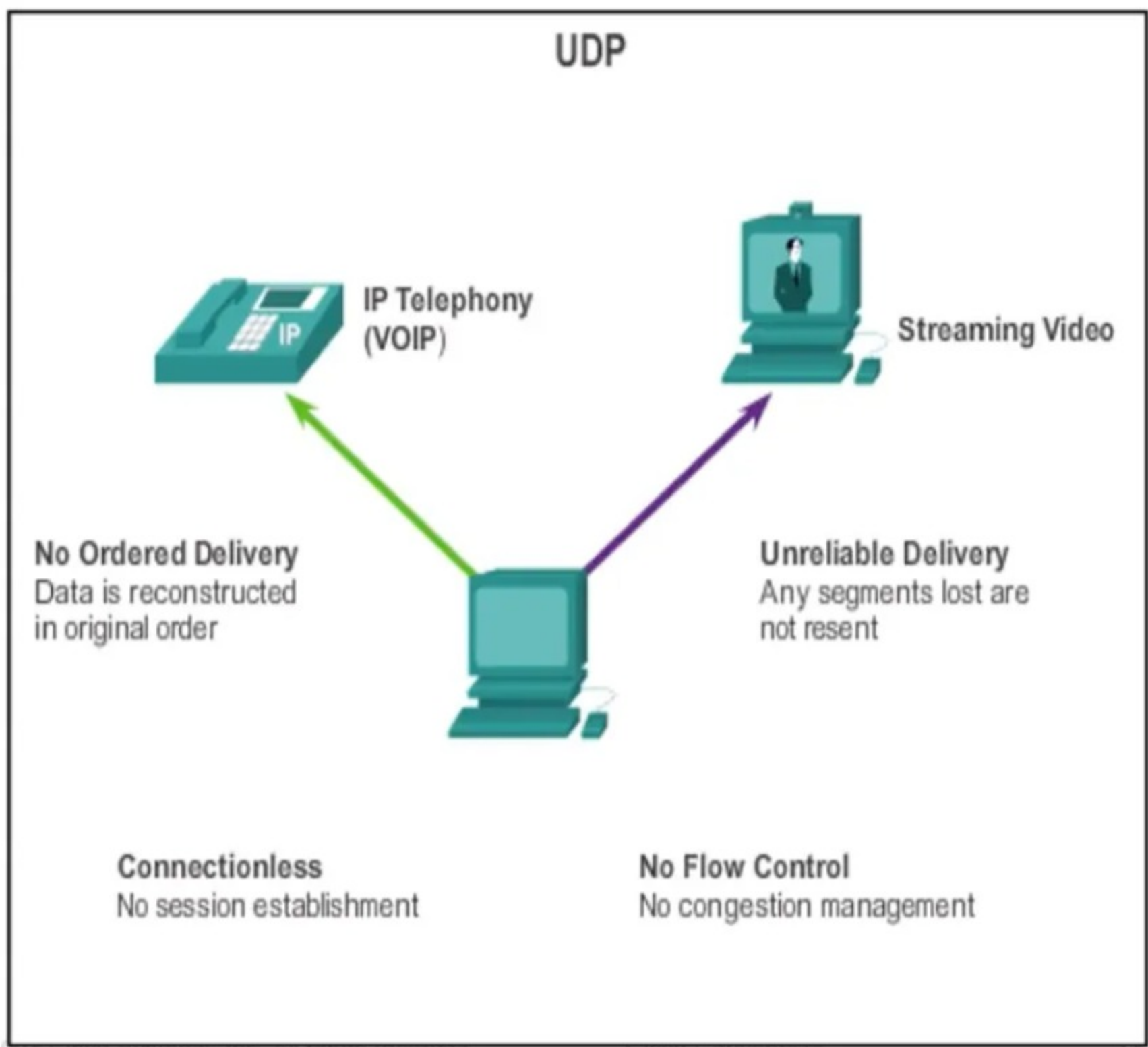
1. UDP Protocol Format
2. UDP Communication

1. UDP Protocol Format

- UDP stands for User Datagram Protocol
- UDP Header
 - Small header, less field for transport control
 - ⇒ Faster but not reliable

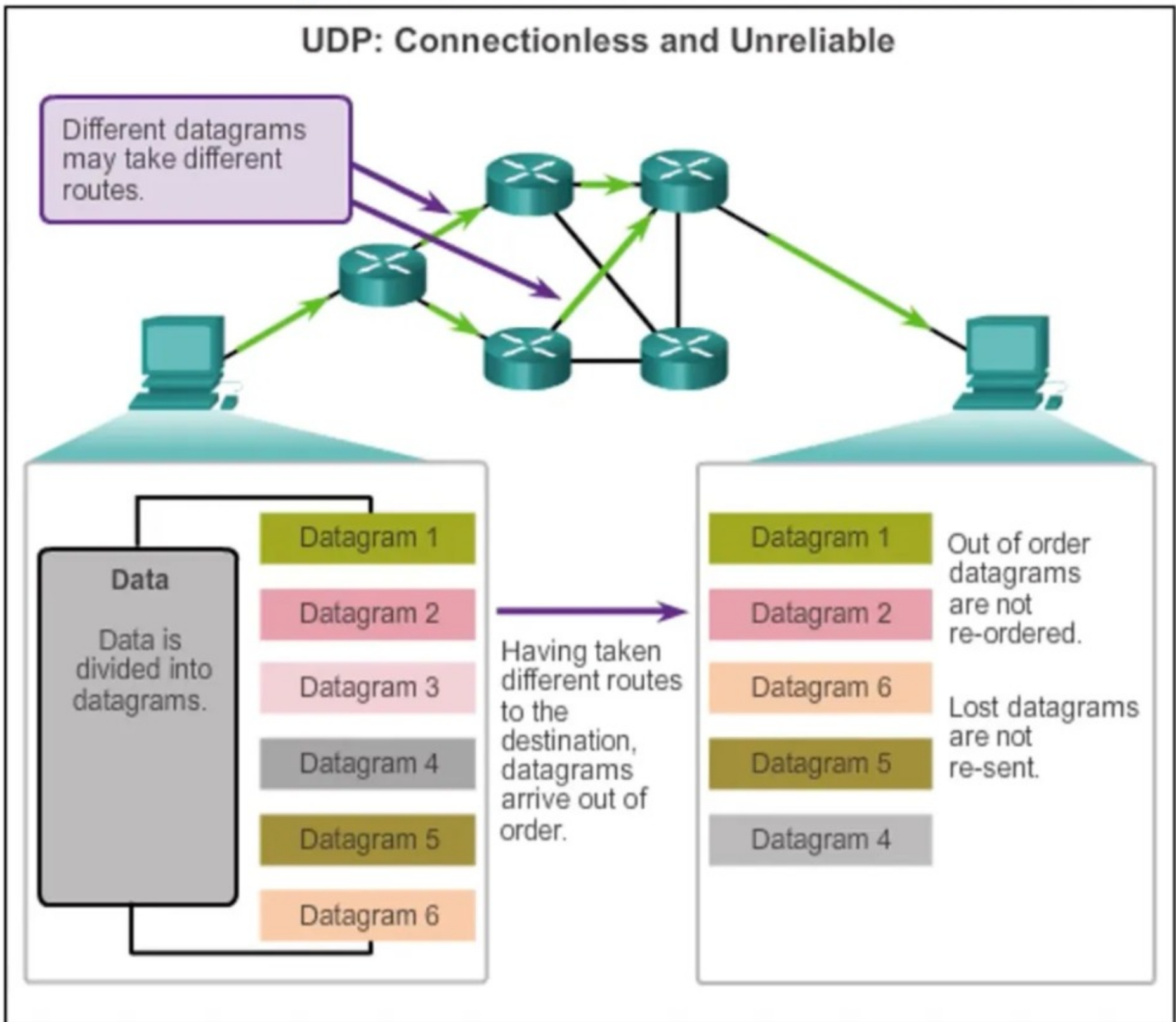


- Applications that use UDP:
 - Domain Name System (DNS)
 - Video Streaming
 - VoIP



2. UDP Communication

- Datagram Reassembly
 - Datagram is a **data unit** when using UDP
 - Application **divides** data into datagrams
 - **No delay** – datagrams are transmitted as soon as possible



- UDP Server and Client Processes
 - UDP-based **server** applications are assigned **well known** or **registered** port numbers
 - UDP **client** process **randomly** selects port number

