

CS 331 Computer Networks

Transport Layer

- End-to-End Principle
- Functions of transport layer
 - Addressing
 - Error control
 - Flow and congestion control
- Principles of reliable transport
 - ARQ
 - acknowledgement
 - timeout
 - retransmission
 - give up after k retransmissions
 - sequence numbers on data packets
 - cumulative acknowledgement numbers
- Filling the pipe
 - Stop and wait protocol
 - Sliding window protocols
 - Measure: utilization