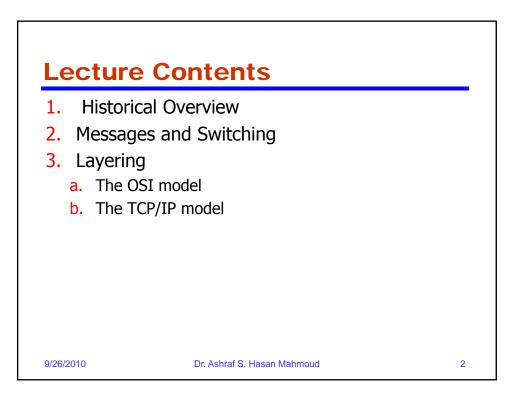
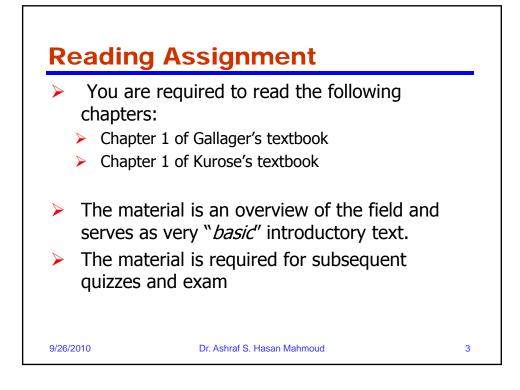
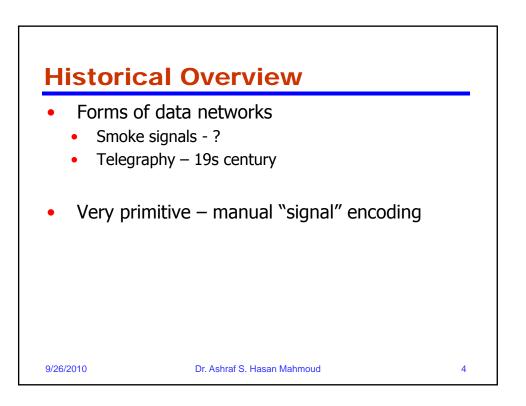
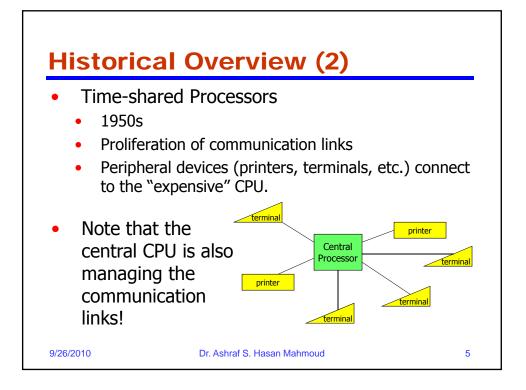
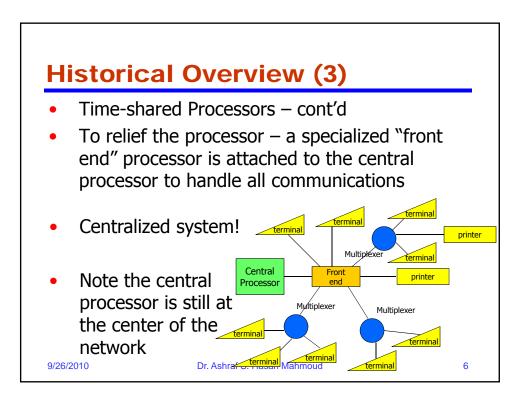
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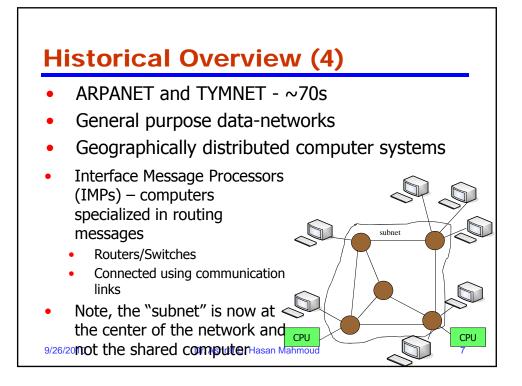


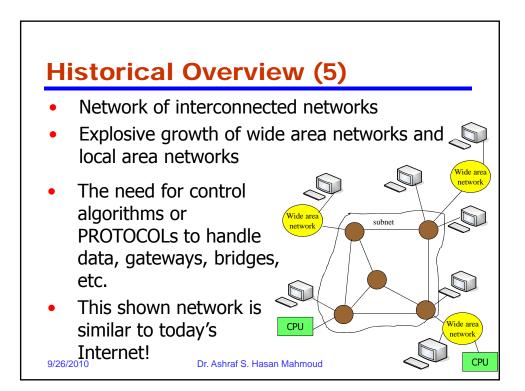


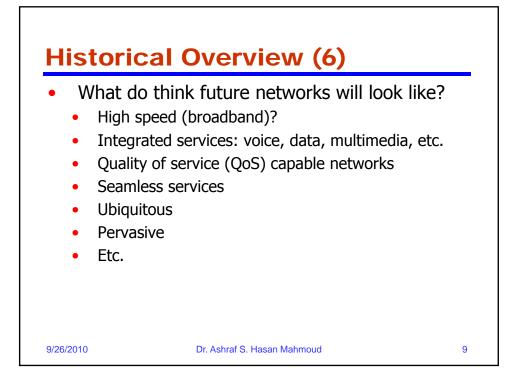




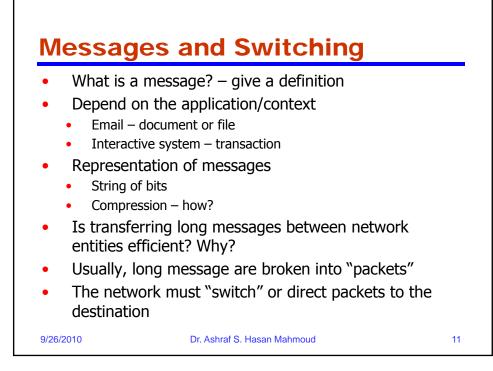


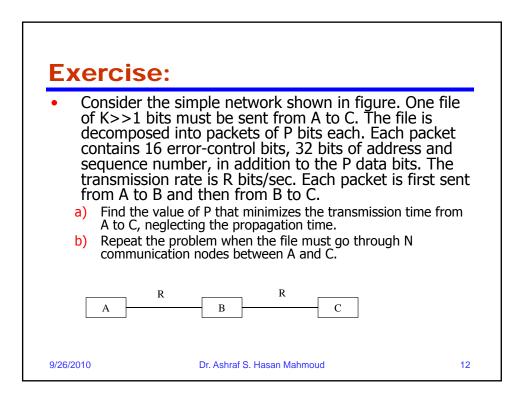


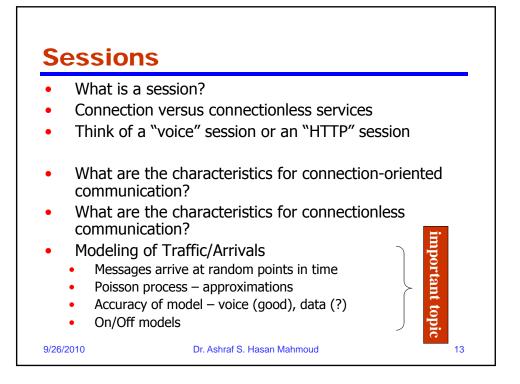


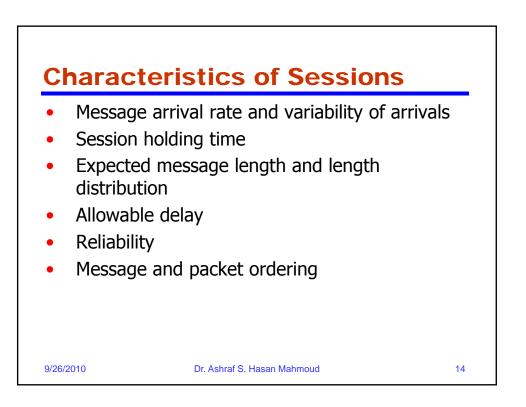


Factors		
 Computers can de Communication Te Evolution of link s New links – 64 kb Bandwidth sharing Cost for media – Transmission cost for optical fiber transmission for da Applications for da Remote access of 	es in VLSI, CPU prices are halved every six-to th more processing power built in more – network has to cope chnology peeds: 2.4, 4.8, 9.6 and 56 kb/s /s, 1.5 Mb/s, 45 Mb/s, etc. Pr versus optical : dominates wide area data network, droppin ansmission, and is never an issue for LANs ta networks "super" computers – early – now (killer application?)	
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Circuit Switching versus Store-and-Forward Switching

- Circuit switching:
 - A dedicated path is established between two ends
 - Resources are reserved for session justified when link utilization is expected to be high
 - Usually FDM, TDM, or CDMA based
 - Appropriate for CBR type traffic rarely used for data
 - Eg. Telephony
 - Involves: call setup, data exchange, call termination
- Store-and-Forward switching:
 - The processing is done on the packet level
 - Intermediate nodes receive and process (switch) packets
 - Different packets may go different routes
 - No call setup
 - Resources are not reserved but utilized as required
 - Appropriate for VBR type traffic

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