



Learning Guide Unit 1

Overview

Unit 1 - Introduction to Communication & Networks

Topics:

- Uses of Networks
 - LAN, WAN, VPN, Wireless Networks, Internet
 - Protocol Hierarchies, Design Issues, Connectionless and Connection-Oriented services
 - Reference Models OSI and TCP/IP
 - Connection-Oriented network ATM
 - Ethernet
 - Wireless LANs
 - Standardization
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Learning Outcomes

- Compare Ethernet and Asynchronous Transfer Mode
 - Distinguish between connection-oriented and connectionless services
 - Identify design related issues when defining a network protocol
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Tasks:

- Read through the Learning Guide and the Reading Assignment
- Complete the Discussion Assignment by posting in the Discussion Forum
- Respond to and rate three of your fellow classmates' posts in the Discussion Forum
- Complete and submit the Written Assignment
- Complete and submit the Learning Journal
- Take and submit the Self-Quiz



