Course name (English) | Computer Networks
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Course ID: | -
No of units: | 3
Program: | Graduate
Prerequisites: | Probability and Statistics
Co-requisites: | Operating Systems
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Outline
- Introduction
- Socket Programming
- IP Packet Switching
- IP Addressing and Forwarding
- Transport Protocols (UDP and TCP)
- Congestion Control
- Web Content Delivery
- Translating Addresses (DNS, DHCP, and ARP)
- Middleboxes
- Switches and Bridges
- Links
- Link-State Routing
- Distance-Vector and Path-Vector Routing
- Policy-Based Path-Vector Routing
- Overlay Networks
- Peer-to-Peer
- Multimedia Streaming
- Circuit Switching
- Wireless and Mobile Networks
- Delay/Disruption Tolerant Networks

References