CSP 541: Internet Technologies

Texts
- References: Various IETF RFC's

Objectives
- This course focuses on the technologies and protocols used by Internet WAN's and LAN's.
- The fundamental architecture, organization, and routing principles of the Internet are described.
- Part of the course will focus on emerging Internet technologies.

Prerequisites
- CS 455.

Syllabus
- Overview and history of the Internet 3 hours
- Architecture 3 hours
- Services Providers 3 hours
- Application protocols (HTTP, FTP, SMTP, SNMP) 6 hours
- Transport Protocols (TCP, UDP) 3 hours
- IP 3 hours
- Addressing, DHCP, DNS 6 hours
- OSPF, RIP, BGP 3 hours
- FR, ATM, MPLS 6 hours
- SONET, WDM 3 hours
- LAN Technologies 3 hours
- Emerging Technologies 3 hours
Total 45 hours

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