

CMSC 417 — Computer Networks

Section Navigator: Peterson and Davie

Section	Topic	Notes
1.3	Network Cloud, Protocol Layering	
4.2	Routing, DV and LS	
4.1	IP service model Addressing, Packet format	
4.3	Subnetting, CIDR, BGP	
4.4	Multicast, RPB, Shared tree schemes	
2.5	Reliable Transmission	
5.1	UDP	
5.2	TCP	(RFC 793)
6.3	TCP congestion control	(Jacobson, RFC 2001)
9.1	DNS	(RFC 882,883)
9.1.2	HTTP	(RFC 1945)
	P-HTTP, HTTP 1.1, HTTP 1.0 failures	(Mogul)
9.1.1	SMTP MIME	(RFC 821,822,1521)
	FTP, NNTP	(RFC 959,977)
2.3	Framing	
2.4	Checksums: n -D Parity, CRC incl. h/w impl.	
2.6	Aloha, S-Aloha, Ethernet	(Tanenbaum)
2.7	Token Ring	
2.8	Wireless LANs (802.11)	
4.1.8	Tunneling	
4.2.5	IP Mobility	(Chesire)
4.1.6	DHCP, NAT, Firewalls	
6.2	FIFO, RR, FQ, WFQ, VC	(Zhang)