

CSC / ECE 573 Internet Protocols, Fall 2005

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Topics (with links to lecture slides)	Dates	Textbook Reading	RFCs	Source Code	Homework Due
Introduction to the Internet [4pp] [6pp]	Th 8/18	ch. 1, 2, 3, 11	1958 , 2026 , 2028 , 2223 , 2360		
IP, version 4 [4pp] [6pp]	Tu 8/23	ch. 7	791 , 1122 , 1123		
ARP and RARP [4pp] [6pp]	Th 8/25	ch. 5, 6	826 , 903		
Class-Based Addressing and Datagram Forwarding [4pp] [6pp]	Tu 8/30	ch. 4, 8	2050 , 3330		HW1
ICMP [4pp] [6pp]	Th 9/1	ch. 9	792 , 950 , 1191 , 1256		
UDP [4pp] [6pp]	Tu 9/6	ch. 12	768		
TCP Functions and Connection Establishment [4pp] [6pp]	Th 9/8	ch. 13	793 , 1122 , 2581		
TCP State machine, Window Sizes [4pp] [6pp]	Tu 9/13	ch. 13	896		HW2
TCP: RTT Estimation and Retransmission [4pp] [6pp]	Th 9/15	ch. 13			
TCP: Congestion Control and Options [4pp] [6pp]	Tu 9/20	ch. 13	813 , 1122 , 1323 , 2309 , 2581		
TCP: finish previous lectures	Th 9/22	-			HW3, Part I
Sockets Programming Interface [2pp] [4pp] [6pp]	Tu 9/27	ch. 21, 22 vol. III, ch. 1-5			Project Part I
Client and Server Programming [2pp] [4pp] [6pp]	Th 9/29	ch. 21, 22 vol. III, ch. 6-13			HW3, Part II
Subnetting, Classless Addressing and CIDR [2pp] [4pp] [6pp]	Tu 10/4	ch. 10	950 , 1122 , 1519		
<i>Fall Break</i>	<i>Th 10/6</i>				
Midterm Exam	Tu 10/11	-			Exam
Routing 1 [2pp] [4pp] [6pp]	Th 10/13	ch. 14	1812 , 1930		
Routing 2 (RIP, OSPF) [2pp] [4pp] [6pp]	Tu 10/18	ch. 16	2453 , 2328		HW4
Routing 3 (BGP) [2pp] [4pp] [6pp]	Th 10/20	ch. 15	1771		
--class cancelled--	Tu 10/25	--	--		Project Part II
Multicast [2pp] [4pp] [6pp]	Th 10/27	ch. 17	3376		

DHCP [2pp] [4pp] [6pp]	Tu 11/1	ch. 23	2131 , 951		
DNS [2pp] [4pp] [6pp]	Th 11/3	ch. 24	1034 , 1035		
IPSec [2pp] [4pp] [6pp]	Tu 11/8	ch. 32	2401 , 2402 , 2406		HW5
Security Basics [2pp] [4pp] [6pp]	Th 11/10	ch. 32			
Tunneling, VPNs, Network Address Translation [2pp] [4pp] [6pp]	Tu 11/15	ch. 20	2663		Project Part III
IPv6 [2pp] [4pp] [6pp]	Th 11/17	ch. 33	2460		
Mobile IPv6 [2pp] [4pp] [6pp]	Tu 11/22	ch. 19	3775		HW6
<i>Thanksgiving Holiday</i>	<i>Th 11/24</i>				
RTP / RTCP [2pp] [4pp] [6pp]	Tu 11/29	ch. 29	3550		
SIP, QoS [2pp] [4pp] [6pp]	Th 12/1	ch. 29	3261 , 2205 , 2597 , 3246		Project Completion
Final Exam	Tu Dec 6 (8am-11am)	-			Exam

Created on July 22, 2005

Last Modified November 30, 2005

Maintained by [Douglas S. Reeves](#)