

Date	Sections	Expected Topics
Jan. 9		introduction Equity, Diversity and Inclusion
Jan. 10/12/16	CN Chapter 1	network overview
Jan. 17/19/23	CN Chapter 2 (Sec. 1: The theoretical basis for data communication; Sec. 5: The public switched telephone network; Sec. 7: Cable television)	PHY layer technologies, access, backbone
	Assignment 1	Due on Jan. 22. Assignment 1 Solution
Jan. 24	First Midterm	
Jan. 26/30/31	CN Chapter 3 (Sec. 1 Data link layer design issues: 1.2-1.4; Sec. 2 Error detection and correction; Sec. 3 Elementary data link protocol: 3.2; Sec. 4 Sliding window protocols; Sec. 6 Example data link protocols)	link layer, link error control
	Assignment 2	Due on Feb. 6 Assignment 2 solution
Feb. 2/6/7	CN Chapter 4 (Sec. 2 Multiple access protocols 2.1, 2.2, 2.6; Sec. 4 Wireless LANs: 4.3; Sec. 7 Data link layer switching: 7.1-7.5)	resource management and medium access control (MAC)
Feb. 9	Notes	vehicle networks, Controller Area Networks (CAN), wireless access networks for machine-to-machine communications
Feb. 13/14/16	CN Chapter 5 (Sec. 5: Internetworking; Sec. 6: The network layer in the Internet: 6.1)	network layer
Feb. 20/21/23	Reading Break	
	Assignment 3	Due on Feb. 23 Assignment 3 Solution
Feb. 27/28	CN Chapter 5 (Sec. 2: Routing Algorithms: 2.2-2.6)	routing algorithms
Mar. 1	Second Midterm	
Mar. 5/6/8	CN Chapter 5 (Sec. 6: The network layer in the Internet: 6.2-6.5)	Internet addressing and routing protocols ARP
Mar. 12/13/15/19	CN Chapter 6 (Sec. 1: The transport service: 1.1,1.2; Sec. 5 The Internet transport protocols: TCP: 5.1-5.10)	transport layer, flow control, packet error control, network congestion control
	Assignment 4	Due on Mar. 22 Assignment 4 solution
Mar. 20/22/26	CN Chapter 6 (Sec. 4: The Internet transport protocols: UDP: 4.1)	TCP variants and UDP
Mar. 27/Apr. 2/3	CN Chapter 7 (Sec. 1: DNS; Sec. 2: Electronic Mail; Sec. 3: The world wide web)	Applications: world wide web, more HTTP domain name, email
	Assignment 5	Due on Apr. 5 Assignment 5 solution
Apr. 5	Review Summary tcp-cc-example	
	<p>This is a nomination call for the NSERC Undergraduate Student Research Awards (USRA's).</p> <p>Value & Duration: \$4,500 for a normal duration of 16 consecutive weeks on a full-time basis. Faculty members are required to supplement the award by 25% or \$1,125.</p> <p>Eligibility: Please see the attached document from the Office of Research Services and visit http://www.nserc-crsng.gc.ca/Students-Etudiants/UG-PC/USRA-BRPC_eng.asp for more information.</p> <p>Documentation Required:</p> <ul style="list-style-type: none"> - Copy of transcript - Part 1 Form 202 - Part 2 Form 202 <p>Form 202 is available at: http://www.nserc-crsng.gc.ca/OnlineServices-ServicesEnLigne/instructions/202/e.asp Please note; that the application will need to be printed and submitted to myself to complete the nomination process.</p>	
		Slides artwork credits: Tanenbaum , Kurose&Ross , and many others.
		"Observations for students," by R. W. Hamming (PDF)
		Google talk: Van Jacobson, "A New Way to look at Networking" Another talk by Van, "Content-centric networking"
		Want to learn more? ECE463/ECE514