CS 372 Introduction to Computer Networks
Course Calendar* Fall 2018

***NOTE: Weeks are shown Sunday through Sunday. Assignments are due the 2nd Sunday, unless otherwise noted.**
***NOTE: Subject to change based on material pace**

New Assignments in BLACK. Due Assignments in RED

Unit / Week	Topics
#1: 09/23 – 09/30 **Lab #1** is assigned **Weekly Summary #1** assigned **Weekly Summary #1** due	• Basic concepts • Networking metrics • Network protocols • Network edge/core • Circuit-switching / Packet-switching **Read** K&R Chapter 1.1 – 1.4
#2: 09/30 – 10/07 **Lab #1** is due **Weekly Summary #2** assigned **Weekly Summary #2** due	• Physical media • Layering models • Security issues • Application layer **Read** K&R Chapter 1.5 – 1.8, 2.1

#3: 10/07 – 10/14
 	
Lab #2 is assigned
 	
Quiz #1
 	
Weekly Summary #3 assigned
Weekly Summary #3 due
	• Application layer protocols
	  o Hypertext Transfer Protocol (HTTP)
	  o File Transfer Protocol (FTP)
	  o Mail (SMTP, POP3, IMAP)
	  o Domain Name Services (DNS)
	  ▪ Network byte order
	Read K&R Chapter 2.2 – 2.4, 2.7 (2.6 optional)

#4: 10/14 – 10/21 **Program #1** is assigned **Lab #2** is due **Weekly Summary #4** assigned **Weekly Summary #4** due	• Transport Layer • Socket programming • Multiplexing/Demultiplexing • Connectionless transport • Connection-oriented transport • User Datagram Protocol (UDP) • Reliable Data Transfer **Read** K&R Chapter 3.1 – 3.3
#5: 10/21 – 10/28 **Lab #3** is assigned **Program #1** is due **Weekly Summary #5** assigned **Weekly Summary #5** due	• Reliable Data Transfer • Transmission Control Protocol (TCP) • Flow control **Read** K&R Chapter 3.4 – 3.5

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#6: 10/28 – 11/04 **Lab #3** is due **Midterm Exam** **Weekly Summary #6** assigned **Weekly Summary #6** due	• Congestion control • Fairness • Network layer **Read** K&R Chapter 3.6 – 3.8 **Midterm Exam** **(Available Thursday – Sunday only)**
#7: 11/04 – 11/11 **Lab #4** is assigned **Program #2** is assigned **Weekly Summary #7** assigned **Weekly Summary #7** due	• Virtual circuits • Internet protocols • Datagram routing • Internet Protocol (IPv4) • Classless Inter-Domain Routing (CIDR) • Dynamic Host Configuration Protocol (DHCP) **Read** K&R Chapter 4.1 – 4.3
#8: 11/11 – 11/18 **Quiz #2** **Lab #4** is due **Weekly Summary #8** assigned **Weekly Summary #8** due	• Routing algorithms • Fragmentation • Internet Control Message Protocol (ICMP) • Network Address Translation (NAT, NAPT) **Read** K&R Chapter 5.1 – 5.3, 5.6
#9: 11/18 – 11/25 **Lab #5** is assigned **Program #2** is due **Weekly Summary #9** assigned **Weekly Summary #9** due	• Internet Protocol (IPv6) • Link Layer • Network interfaces • Multiple Access protocols • MAC addresses • Address Resolution Protocol (ARP) • Local Area Networks (LAN) o Ethernet **Read** K&R Chapter 6.1 – 6.4, 6.7
#10: 11/25 – 12/02 **Lab #5** is due **Weekly Summary #10** assigned **Weekly Summary #10** due	• Wireless networks • Network security **Read** K&R Chapter 7.1 – 7.3, 8.1 – 8.3
#11: 12/02 - 12/05 Finals Week	**Final Exam** **(Available Sunday – Wednesday only)**