CS 372 Introduction to Computer Networks Course Calendar* Summer 2017

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

New Assignments in BLACK. Due Assignments in RED	
Unit / Week	Topics
 #1: 06/25 – 07/02 Week 1 Summary Exercises Syllabus Quiz Lab #1 	 Basic concepts Networking metrics Network protocols Network edge/core Circuit-switching / Packet-switching
Week 1 Summary Exercises Syllabus Quiz	Read K&R Chapter 1.1 – 1.4
 #2: 07/02 – 07/09 Week 2 Summary Exercises Week 2 Summary Exercises 	 Physical media Layering models Security issues Application layer
Lab #1	Read K&R Chapter 1.5 – 1.8, 2.1
#3: 07/09 – 07/16 Week 3 Summary Exercises Quiz #1 Lab #2 Week 3 Summary Exercises Quiz #1	 Application layer protocols Hypertext Transfer Protocol (HTTP) File Transfer Protocol (FTP) Mail (SMTP, POP3, IMAP) Domain Name Services (DNS) Network byte order Transport Layer Introduction Multiplexing/Demultiplexing Read K&R Chapter 2.2 – 2.4, 2.7 (2.6 optional), 3.1 – 3.2
 #4: 07/16 - 07/23 Week 4 Summary Exercises Program #1 Week 4 Summary Exercises 	 Socket programming primer Transport Layer Connectionless transport Connection-oriented transport Reliable Data Transfer Transmission Control Protocol (TCP) User Datagram Protocol (UDP) Flow control
	Read K&R Chapter 3.3 – 3.5 Midterm Exam (Available Saturday – Monday only)

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 #5: 07/23 – 07/30 Week 5 Summary Exercises Lab #3 Week 5 Summary Exercises Lab #2 Program #1 	 Transport Layer Congestion control TCP Connections & Fairness Network Layer Introduction Internet protocols Datagram Routing & Forwarding Internet Protocol (IPv4) Header Routing vs. Forwarding
	Read K&R Chapter 3.6 – 3.8, 4.1 – 4.2
 #6: 07/30 – 08/06 Week 6 Summary Exercises Quiz #2 Program #2 Week 6 Summary Exercises 	 Network Layer Classless Inter-Domain Routing (CIDR) Dynamic Host Configuration Protocol (DHCP) Routing algorithms Fragmentation Internet Control Message Protocol (ICMP)
Quiz #2 Lab #3	Read K&R Chapter 4.3, 5.1 – 5.3, 5.6
 #7: 08/06 – 08/13 Week 7 Summary Exercises Lab #4 Week 7 Summary Exercises Program #2 	 Network Layer Network Address Translation (NAT, NAPT) Internet Protocol (IPv6) Link Layer Network interfaces Multiple Access protocols MAC addresses Address Resolution Protocol (ARP) Local Area Networks (LAN) Ethernet
	Read K&R Chapter 6.1 – 6.4, 6.7
#8: 08/13 - 08/20	Link Layer O Ethernet Frame and Multiple Access
Week 8 Summary Exercises Week 8 Summary Exercises Lab #4 due FRIDAY	 Wireless networks Networking Mobility Network security Cryptography
Final Exam Dates:	Read K&R Chapter 7.1 – 7.3, 8.1 – 8.3 Final Exam (Available Friday – Sunday only)