

CS 4396 - Computer Networks Lab

Spring 2019

Tentative Course Schedule

Week	Date	Description	Reading/Resources
1	1/18	Lecture: Course Outline + Description of Lab Software and In-class Demo Optional Lab Activity: Build Lab Environment on Your System Lab 1: Chapter 1 on the Lab Environment	Optional Lab Activity: Suggested deadline: 1/27/2019 Lab 1: Lab Environment Soft deadline: 1/28/2019 Hard deadline (lab report due): 2/3/2019
2	1/25	Lecture: TCP/IP Networking: An Example	
3	2/1	Lecture: IP Addresses, Internet Protocol (IP), IP Forwarding, ARP, ICMP Lab 2: Chapter 2 on Networking Basics	Lab 2: Networking Basics Soft deadline: 2/11/2019 Hard deadline (lab report due): 2/17/2019
4	2/8	Lecture: <i>In class lab discussion day for Lab 2</i>	
5	2/15	Lecture: Routing (RIP and OSPF) Lab 3: Chapter 3 on Infrastructure Network Planning and Design	Lab 3: Network Planning Soft deadline: 2/27/2019 Hard deadline (lab report due): 3/3/2019
6	2/22	Lecture: <i>In class lab discussion day for Lab 3</i>	
7	3/1	Lecture: <i>In class lab discussion day for Lab 4</i> Lab 4: Chapter 4 on Static Routing	Lab 4: Static Routing (Overlapping with Lab 5) Soft deadline: 3/11/2019 Hard deadline (lab report due): 3/17/2019
8	3/8	Lecture: Quiz 1 Lab 5: Chapter 5 on Dynamic Routing with RIP and OSPF	Lab 5: RIP & OSPF (Overlapping with Lab 4) Soft deadline: 3/25/2019 Hard deadline (lab report due): 3/31/2019
9	3/15	Lecture: <i>In class lab discussion day for Lab 5</i>	
10	3/22	Spring Break	
11	3/29	Lecture: IPv6 Lab 6: Chapter 6 on Basic Networking with IPv6	Lab 6: IPv6 Soft deadline: 4/12/2019 Hard deadline (lab report due): 4/18/2019
12	4/5	Lecture: BGP and <i>in class lab discussion day for Lab 6</i>	
13	4/12	Lecture: BGP (cont'd) and <i>in class lab discussion day for Lab 7</i>	Lab 7: BGP Soft deadline: 4/25/2019 Hard deadline (lab report due): 4/30/2019
14	4/19	Lecture: BGP (cont'd) and <i>in class lab discussion day for Lab 7</i>	
15	4/26	Lecture: DNS and <i>in class lab discussion day for Lab 7</i>	Lab 8: DNS Soft deadline: 5/6/2019 Hard deadline (lab report due): 5/11/2019 NO LATE SUBMISSIONS ACCEPTED
16	5/3	Lecture: Quiz 2	