

## Tentative schedule, EN.601.416/616 (Fall 22)

Session#	Date	Topic	Reading
		Protocol Layers (Link, Network, Transport, and Application)	
1	8/29/2022	Course Overview	1.3 - 1.4
2	8/31/2022	Link Layer (Frames)	Skim 2.1 - 2.2 (links), 2.6 (Ethernet)
	9/5/2022	Labor Day	
To	9/7/2022	Tutorial (socket)	
3	9/12/2022	Network Layer (Packets)	3.3 (IP, up to ARP)
4	9/14/2022	Network Devices - Switches and Routers	3.2 (switches)
A0	9/16/2022	Assignment 0 (sockets) due	Due at 5pm ET
T1	9/19/2022	Tutorial (webproxy)	
5	9/21/2022	Transport Layer & TCP	5.1 (UDP), 5.2 (TCP)
		Resource Allocation	
6	9/26/2022	Congestion Control on Hosts	6.3 (TCP congestion control)
7	9/28/2022	Queue Management on Links	6.2 (queuing disciplines), 6.4.1 (active queue management)
	10/3/2022	Midterm 1	
8(a)	10/5/2022	Midterm 1+ Middleboxes and Tunneling (part 1)	<a href="#">8.5 (firewalls)</a> , <a href="#">3.3.9 (tunnels)</a> , <a href="#">NAT</a>
A1	10/7/2022	Assignment 1 (webproxy) due	Due at 5pm ET
		Reachability	
8(b)	10/10/2022	Middleboxes and Tunneling (part 2)	<a href="#">8.5 (firewalls)</a> , <a href="#">3.3.9 (tunnels)</a> , <a href="#">NAT</a>
T2	10/12/2022	Tutorial (router)	
9	10/17/2022	Routing Algorithms	3.4 (routing), 4.1 (global Internet)
10	10/19/2022	Routing Convergence	4.1 (global Internet)
11	10/24/2022	Interdomain routing	
12	10/26/2022	Network Measurement	
13	10/31/2022	Multicast & Anycast	4.3 (multicast)
14	11/2/2022	Discovery and DNS	9.3.1 (DNS)
A2	11/1/2022	Assignment 2 (router) due.	Due at 5pm ET
T3	11/7/2022	Tutorial (TCP)	
	11/9/2022	Midterm 2	
		Case studies	
15	11/14/2022	HTTP and Web	9.1.2 (HTTP)
16	11/16/2022	Content Distribution Networks (CDNs)	9.4.3 (CDNs)
A3	11/22/2022	Assignment 3 (TCP) due	Due at 5pm ET
T4	11/28/2022	Tutorial (BGP)	
17	11/30/2022	Wireless Networks	2.7 (wireless)
18	12/5/2022	Software Defined Networks	
19	12/7/2022	Datacenter Networks + wrapup	
A4	12/9/2022	Assignment 4 (BGP) due	Due at 5pm ET