Lec.	Date	Торіс	Reading	Add. Reading
1	8/27/25	Course introduction	How to Read a Paper	
2		Network essentials	Writing reviews for systems conferences	
3	9/3/25	Commention constant	TCP CC: A Systems Approach - Chapter 4	
4	9/8/25		BBR: Congestion-Based Congestion Control	
5	9/10/25		Data center TCP (DCTCP)	
	5/10/25	DCTCP and L4S	Validating the Sharing Behavior and Latency	Implementing the 'Prague
	- (/		Characteristics of the L4S Architecture	Requirements' for Low Latency
6	9/15/25			Low Loss Scalable Throughput
7	9/17/25	SDN and programmable networks	OpenFlow: Enabling Innovation in Campus Networks	
			P4: Programming Protocol-Independent Packet	
8	9/22/25		Processors	
			A Scalable, Commodity Data Center Network	
9	9/24/25	Datacenter networks	Architecture	
			CONCA: Distributed Congestion Awara Load	
	. . .		CONGA: Distributed Congestion-Aware Load Balancing for Datacenters	
10	9/29/25		DINC: Toward Distributed In-Network	
11	10/1/25		Computing	
		ML and networks	Crux: GPU-Efficient Communication Scheduling	
12	10/6/25		for Deep Learning Training	
			Confused Timid and Unstable: Disking a Video	A Buffer-Based Approach to Rate
		Video streaming	Confused, Timid, and Unstable: Picking a Video	Adaptation: Evidence from a
13	10/8/25		Streaming Rate is Hard	Large Video Streaming Service
	10/13/25	No class (Fall reading days)		
		Video streaming	Enabling Passive Measurement of Zoom	
14	10/15/25	video streaming	Performance in Production Networks	
15	10/20/25	TBD	TBD	
	10/22/25	Mid project presentation		
	10/27/25		Interconnection. Description and Cattlements	
			Interconnection, Peering and Settlements -	Interconnection, Peering and
16	10/29/25	Routing, BGP, and the	Part I	Settlements-Part II
		Internet	SCION: Scalability, Control, and Isolation On	
17	11/3/25		Next-Generation Networks	
18	11/5/25			
			https://5g.systemsapproach.org/index.html	Building Flexible, Low-Cost
	4 4 4 4 4 4 -	5G	(chapter 1, 2, 5)	Wireless Access Networks With
19	11/10/25		The CVE Wayback Machine: Measuring	<u>Magma</u>
			Coordinated Disclosure from Exploits against	Snort – Lightweight Intrusion
20	11/12/25	Security and Privacy	Two Years of Zero-Days	Detection for Networks
20	<i>i</i> -2/2J	Security and Frivally	Tracking, Profiling, and Ad Targeting in the Alexa	
21	11/17/25		Echo Smart Speaker Ecosystem	
	, .,_0	11/19/25 Photonic computing	Inference in artificial intelligence with deep	
22	11/19/25		optics and photonics	
			Lightning: A Reconfigurable Photonic-	
22	11/24/25		Electronic SmartNIC for Fast and Energy-	
23	11/24/25	No class (Thenks at the -)	Efficient Inference	
	11/26/25	No class (Thanksgiving)		Delay is Not an Ontional and
24	12/1/25	Satellite networks	A Multifaceted Look at Starlink Performance	Delay is Not an Option: Low Latency Routing in Space
25	12/3/25	Project presentation		
26	12/8/25			