ST0255 - Telemática
Ingeniería de Sistemas
Instructor: Juan C. Montoya

Lecture Plan - 2025-1
This schedule is preliminary and subject to change

Week	Sesión	Date	Time	Room	Lecture	Readings
1	Tuesday	Jan 21, 2025	10:30	34-202	Course Overview - Class logistics	
	Thursday	Jan 23, 2025	10:30	17-201	Intro 1: What is a Computer Newtork?, Data, Signal, Circuit Swicth vs Packet Switch	Reading: A Brief History of Internet
2	Tuesday	Jan 28, 2025	10:30	34-202	Intro 2: What is Internet?, How the Internet works, Links, Packets, Resource Sharing, Performance Metrics	Reading: End to End Arguments in Systems Design.
	Thursday	Jan 30, 2025	10:30	17-201	Intro 3: Perfomance Metrics (continued) and Architecture and Design Principles: Newtork Architecture.	
3	Tuesday	Feb 4, 2025	10:30	34-202	Intro 4: Protocol Engineering: Foundational Concepts	
	Thursday	Feb 6, 2025	10:30	17-201	Intro 5: Protocol Engineering Examples: Stop and Wait, Selective Repeat and Go Back-N	
4	Tuesday	Feb 11, 2025	10:30	34-202	Application 1: Client/Server, Sockets Programming	
	Thursday	Feb 13, 2025	10:30	17-201	Application 2: Name Resolution and DNS	
5	Tuesday	Feb 18, 2025	10:30	34-202	Application 3: Name Resolution and DNS (continued)	
	Thursday	Feb 20, 2025	10:30	17-201	Application 4: Web and HTTP	
6	Tuesday	Feb 25, 2025	10:30	34-202	Application 5: HTTP (continued)	
	Thursday	Feb 27, 2027	10:30	17-201	Application 6: SMTP, etc	
7	Tuesday	Mar 4, 2025	10:30	34-202	Transport 1: Reliability Transport	
	Thursday	Mar 6, 2025	10:30	17-201	**First Prelim Exam**	
8	Tuesday	Mar 11, 2025	10:30	34-202	Transport 2: TCP/UDP	
	Thursday	Mar 13, 2025	10:30	17-201	Transport 3: Control Congestion	
9	Tuesday	Mar 18, 2025	10:30	34-202	Network 1: Internet Protocol (IPv4, IPv6), IP Addressing	
	Thursday	Mar 20, 2025	10:30	17-201	Network 2: IP Addressing (continued): Subnet, VLSM, CIDR	
10	Tuesday	Mar 25, 2025	10:30	34-202	Network 3: NAT, DHCP	
	Thursday	Mar 27, 2025	10:30	17-201	Network 4: Routing Fundamentals, Network Devices (Router), Static vs Dynamic Routing	
11	Tuesday	Apr 1, 2025	10:30	34-202	Network 5: Distance Vector, RIP,	
	Thursday	Apr 3, 2025	10:30	17-201	Network 6: Link State, OSPF	
12	Tuesday	Apr 8, 2025	10:30	34-202	Network 7 :BGP, ARP, DHCP	
	Thursday	Apr 10, 2025	10:30	17-201	Link Layer 1: Ethernet	
13	Tuesday	Apr 22, 2025	10:30	34-202	Link Layer 2: Medium Access Control, CSMA/CD	
	Thursday	Apr 24, 2025	10:30	17-201	**Second Prelim Exam**	
14	Tuesday	Apr 29, 2025	0,4375	34-202	Link Layer 3: VLAN	
	Thursday	May 1, 2025	0,4375	17-201	**Labor Day - No Class**	
15	Tuesday	May 6, 2025	10:30	34-202	Link Layer 4: STP	
	Thursday	May 8, 2025	10:30	17-201	Link Layer 5: Ethernet Network Design	
16	Tuesday	May 13, 2025	10:30	34-202	Special Topics	
	Thursday	May 15, 2025	10:30	17-201	Special Topcis	
17	Tuesday	May 20, 2025	10:30	34-202	Lecture if needed	
	Thursday	May 22, 2025	10:30	17-201	Lecture if needed	
18	Tuesday	May 27,2025	10:30	34-202	No Class	
	Thursday	May 29, 2025	10:30	17-201	**Final Exam**	