

Course Log Template

INSTITUTION

FAST-National University of Computer and Emerging Sciences

**PROGRAM (S) TO
BE
EVALUATED**

BS (CS)

**Course Name
Catalog Number
Instructor Name**

CS3001 Computer Networks

Mr. Shoaib Raza

Week	Duration	Topics Covered	Evaluation Instruments used	Signature
23-January, 2023	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1: 1.1 - Introduction, Course L2: 1.2-1.3 - Network Edge, Network Core (ISPs, internet Vs. intranet, Internet) L3: 1.4 - ISPs and Internet Backbones (Tiers of ISPs), Delay, Loss and Throughput in Packet-Switched Networks	Quiz and Exams	
30-January, 2023	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1: 1.5 - Protocol Layers, Service Model L2: 1.6-1.7 Network Under Attacks, History L3: 2.1 Principles of network Applications	Quiz and Exams	
06-February, 2023	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1: 2.2 - Web and HTTP L2: 2.3-2.4 Electronic Mail and DNS L3: 2.5 – P2P Distributions	Quiz, Assignment, and Exams	
13-February, 2023	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1: 2.6 Video Streaming and Content Distribution L2-L3: 3.1-3.2 – Transport Layer service, Multiplexing and De-multiplexing	Quiz and Exams	
20-February, 2023	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1: 3.3 – Connectionless Transport UDP L2-L3: 3.4 – Principles of Reliable data transport	Quiz, Assignment, and Exams	
25-February, 2023	1 Hour	Midterm # 1		
06-March, 2023	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1-L2: 3.5 Connection Oriented Transport: TCP L3: Exam Review	Quiz and Exams	
13-March, 2023	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1-L2: 3.6 Principles of Congestion Control L3: 3.7 - TCP Congestion Control	Quiz and Exams	
20-March, 2023	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1: 4.1 – Network Layer Overview L2: 4.2 – What's Inside a Router L3: 4.3 – Internet Protocol	Quiz, Assignment, and Exams	
27-March, 2023	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1-2: 4.3 – Internet Protocol Continued L3: 4.4 Generalized Forwarded and SDN and 4.5 – Middle Boxes	Quiz and Exams	
05-April, 2023	1 Hour	Midterm # 2		



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10-April, 2023	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1-2: 5.1-5.3 – Routing Algorithms and Intra-AS routing L3: Exam Review	Quiz and Exams	
17-April, 2023	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1-2-3: 5.4. Routing Amount the ISP	Quiz and Exams	
24-April, 2023	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1: 5.5 – SDN Control Plane L2: 5.6 - ICMP L3: 5.7 – Network Management	Quiz and Exams	
01-May, 2023	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1: 6.4 – Switched LANs L2: 6.5-6.7 - Link virtualization and Data Center Networking L3: MPLS	Quiz and Exams	
08-May, 2023	L1 = 1 hour L2 = 1 hour L3 = 1 hour	Course wrap-up and Project evaluations		

Instructor Name: Mr. Shoaib Raza

Instructor Signature: _____

Date: 23-January-2023