National Computing Education Accreditation Council
NCEAC

Course Log Template

INSTITUTION   FAST-National University of Computer and Emerging Sciences

PROGRAM (S) TO BE EVALUATED   BS (CS)

Course Name   **CS 307 Computer Networks**
Catalog Number
Instructor Name

Week	Duration	Topics Covered	Evaluation Instruments used	Signature
1.	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		
2.	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		
3.	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		
4.	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		
5.	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1: 3.3 – Connectionless Transport UDP L2-L3: 3.4 – Principles of Reliable data transport		
6.	**1 Hour**	**Midterm # 1**		
7.	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1-L2: 3.5 Connection Oriented Transport: TCP L3: Exam Review		
8.	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1-L2: 3.6 Principles of Congestion Control L3: 3.7 - TCP Congestion Control		
9.	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1: 4.1 – Network Layer Overview L2: 4.2 – Whats Inside a Router L3: 4.3 – Internet Protocol		
10.	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 – MiddleBoxes		
11.	**1 Hour**	**Midterm # 2**		
12.	L1 = 1 hour L2 = 1 hour	L1-2: 5.1-5.3 – Routing Algorithms and Intra-AS routing		

	L3 = 1 hour	L3: Exam Review		
13.	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1-2-3: 5.4. Routing Amount the ISP		
14.	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1: 5.5 – SDN Control Plane L2: 5.6 - ICMP L3: 5.7 – Network Management		
15.	L1 = 1 hour L2 = 1 hour L3 = 1 hour	L1: 6.4 – Switched LANs L2: 6.5 - Link virtualization L3: 6.6-6.7 – Data Center Networking		
16.	L1 = 1 hour L2 = 1 hour L3 = 1 hour	Course wrap-up and Project evaluations		

Instructor Name _____

Instructor Signature _____

Date _____