

IT Systems and Network

Session No#	Session Mode	Session Type	Week -Day no#	Duration Hrs
1	EL-Async	<ul style="list-style-type: none"> Understand Server Administration Concepts Understand Virtualization and Cloud Computing Understand Physical and Network Security Concepts Complete MCQ	1-1	3.5
2	FC-F2F	IU 1: Server administration and virtualization concepts.	1-2	3
3	AS-F2F	<u>Assignment 1:</u> Reporting Windows, Linux Server Specifications, and deployment of Hyper-VM and Docker container.	1-3	3
4	FC-F2F	IU 2: Manage physical inventory, assets, and server hardware.	1-4	3
5	AS-F2F	<u>Assignment 2:</u> Securing network traffic with IPSec, managing system inventories, and monitoring performance in Windows	1-5	3
6	EL-Async	<ul style="list-style-type: none"> Managing Server Hardware & Storage Management Installing and Configuring an Operating System Troubleshooting OS, Application, and Network Configurations Managing Data Security Managing Service and Data Availability Decommissioning Servers Complete MCQ	2-6	3.5
7	FC-F2F	IU 3: Install, configure operating systems (OS) and storage management.	2-7	3
8	AS-F2F	<u>Assignment 3:</u> Configure RAID storage in Windows, Provision iSCSI storage, Deploy Linux application server	2-8	3
9	FC-F2F	IU 4: Troubleshoot OS, application, and network configuration.	2-9	3
10	AS-F2F	<u>Assignment 4:</u> Audit accounts and permissions in Windows, Configure Server Roles and Group Policy Objects	2-10	3
11	FC-F2F	IU 5: Maintain servers post installation and data security.	3-11	3
12	AS-F2F	<u>Assignment 5:</u> Configure EFS and BitLocker, Implement backup solutions and setup a file cluster	3-12	3

13	EL-Async	<ul style="list-style-type: none"> Understand Networking Fundamentals and Implementation OSI Model Network Functions Deploy Ethernet Cabling and Switches IPv4 Addressing Schemes, Network Topologies and Types Understand Network Operations Transport Layer Protocols, Network Services and Applications Complete MCQ	3-13	3
14	FC-F2F	IU 6: Networking Fundamentals IU 7: Network Implementations	3-14	3
15	AS-F2F	Assignment 6 & 7 Configure SOHO router, Setup IPv3 and IPv4 addressing, Configure static and dynamic routing	3-15	3
16	EL-Async	<ul style="list-style-type: none"> Ensure Network Availability Common Security Concepts and Wireless Networks Understand Network Troubleshooting Organizational and Physical Security Concepts Network Hardening Techniques Cloud and Data centre Architecture Complete MCQ	4-16	3
17	FC-F2F	IU 8: Network Operations	4-17	3
18	AS-F2F	Assignment 8: Analyse DHCP server and DNS server configurations	4-18	3
19	FC-F2F	IU 9: Network Security	4-19	3
20	AS-F2F	Assignment 9: Secure access channels and Set up Syslog	4-20	3
21	FC-F2F	IU 10: Network Troubleshooting	5-21	3
22	AS-F2F	Assignment 10: Configure remote access and implementing port security	5-22	3
23	PI - Async	Project Implementation: Complete the outstanding tasks and submit assignment report.	5-23	3
24	SA-Sync	Summative Assessment – (each Learner)	5-24	30 min

EL-E-Learning

FC-Flipped Class

AS-Assignment

PM-Project Mentoring

PI-Project Implementation

SA-Summative Assessment

Sync- Synchronous Session &
Async- Asynchronous Session