

Topics include: fundamental knowledge about network administration; implementation and management of peer-to-peer, client server and virtual network environment.

Expanded Outcomes

Outcome 1

Demonstrate an understanding of local area network components and design
(Range: network components, local area network configurations, network operating systems, IP addressing etc).

Outcome 2

Demonstrate a working knowledge of the available facilities and the setup of peer-to-peer networks.
(Range: peer to peer configuration, installation, users, logins, shares, security, local policies, console etc).

Outcome 3:

Demonstrate a working knowledge of the available facilities and the setup of client/server networks.
(Range: directory services, name resolution, various servers, users, shares, administration, client configuration, security).

Outcome 4:

Demonstrate a working knowledge of the available facilities and setup of virtual environment.
(Range: virtualisation techniques, virtual servers, virtual desktops).

Assessment:

Weighting	Nature of assessment	Learning outcomes
40%	Final Exam	1, 2, 3, 4
45%	Practical test on common network administration & support activities	1, 2, 3, 4
15%	Written report on network administration & support issues	1, 2, 3, 4

Learning and teaching approaches:

Lectures, discussions, practicals – labs and research

Learning resources required:

Required Text: refer to the current programme booklist.

Learning resources recommended: