



Prifysgol Cymru
Y Drindod Dewi Sant
University of Wales
Trinity Saint David

Wales Institute of Science and Art

Applied Computing

Network Operating Systems and Services (ACCA5023)

MILESTONE

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Understanding of the concepts, principles, skills and techniques required to manage and deploy network resources in a Network Operating Systems environment

Week	Unit(s) Covered
Week 1(02-02-23)	Introduction to Windows Server (Understanding Networks, Components, Architectures, IP Addressing, Infrastructure, Servers)
Week 2(09-02-23)	Server Virtualization (Virtualization Modes, Hyper-V architecture, nested virtualization, Hyper-V manager)
Week 3(16-02-23)	Directory Services (Active Directory Infrastructure, DNS, OU's and Containers, Accounts and Groups)
Week 4(23-02-23)	Server Roles and Features, Application Servers, Webservices
Week 5(02-03-23)	Server Roles and Features: Remote Access, File and Print Services
Reading Week/ Mid Assessment Point	
Week 6(16-03-23)	Group Policies, Group Policy Editors, Group Policy Objects
Week 7(23-03-23)	Storing Data (Storage Technologies, Local Storage, Network Storage)
Week 8(30-03-23)	Storing Data (RAID, Disk Types)
EASTER BREAK	
Week 9(27-04-23)	Understanding Software Defined Networking

Week 10(04-05-23)	Backup/ Revision / Tutorials
Note: The dates provided for each topic are only for reference and may vary based on your understanding. It is important to regularly check for updates during the lectures/ tutorials and make necessary adjustments to your study plans.	
Assessment	Outcome
Component 1 50%	10-03-2023 at 1500 HRS
Component 2 50%	09-05-2023 at 1500 HRS
Worksheet 1	Building a virtual LAN using a TYPE 2 HYPERVISOR Program, deploy a network directory service and creating, understanding ACTIVE DIRECTORY network objects
Worksheet 2	Management and security of network resources utilising Group Policy Management. Routing and Remote Access with security features
Book	Dauti, Bekim. Windows Server 2019 Administration Fundamentals: A beginner's guide to managing and administering Windows Server environments, 2nd Edition . Packt Publishing.