SWRD C7002: Directory Services

Module Details	
Module Code:	SWRD C7002
Full Title:	Directory Services APPROVED
Valid From:	Semester 1 - 2019/20 (June 2019)
Language of Instruction:	English
Duration:	1 Semester
Credits:	5
Module Owner::	Amanda Clancy
Departments:	Unknown
Module Description:	This course will provide students with the knowledge and skills to plan, implement and troubleshoot a Directory Service for a small- to medium-sized company.

Module Learning Outcome	
On successful completion of this module the learner will be able to:	
#	**Module Learning Outcome Description**
MLO1	Discuss the role of a Directory Service in an organisation.
MLO2	Describe the LDAP protocol and identify mandatory attributes for objects in a Directory Service.
MLO3	Create Logical Diagrams for a Directory Structure.
MLO4	Implement an Active Directory Domain including Organisational Units, users, computers, groups and Group Policy.
MLO5	Create a TCP/IP network, connect clients and test and troubleshoot Directory Service problems.
MLO6	Compare and contrast Active Directory with an Open Source LDAP directory.

Pre-requisite learning
Module Recommendations   *This is prior learning (or a practical skill) that is strongly recommended before enrolment in this module. You may enrol in this module if you have not acquired the recommended learning but you will have considerable difficulty in passing (i.e. achieving the learning outcomes of) the module. While the prior learning is expressed as named DkIT module(s) it also allows for learning (in another module or modules) which is equivalent to the learning specified in the named module(s).*
No recommendations listed

MLO1	Discuss the role of a Directory Service in an organisation.
MLO2	Describe the LDAP protocol and identify mandatory attributes for objects in a Directory Service.

Module Indicative Content
Introduction to the role of Directory Services Introduction to Directory Services and the LDAP protocol. Examining how Directory Services operate looking at Objects, Attributes, Roles and Administrative Tasks.
Planning a Directory Service structure Planning a Directory Service structure using Active Directory. This includes the design of an Organisational Unit, User, Computer and Group Strategy. Produce diagrams for each design.
Installation and configuration of a Directory Service Installation and configuration of Active Directory. Implementation of AD Design.
Testing and Troubleshooting Create a network; connecting clients; troubleshooting and testing AD Design.
Installation and configuration of an Open Source Directory Service. Implementing the Design in an Open Source platform.

Module Assessment

Assessment Breakdown	%
Course Work	100.00%

Module Special Regulation

Assessments

Full Time

Course Work			
Assessment Type	Other	**% of Total Mark**	30
Marks Out Of	0	**Pass Mark**	0
Timing	Every Week	**Learning Outcome**	1,2,3,4,5,6
Duration in minutes	0		
Assessment Description Weekly Tasks and Reports			
Assessment Type	Continuous Assessment	**% of Total Mark**	20
Marks Out Of	0	**Pass Mark**	0
Timing	Week 5	**Learning Outcome**	2,3,4,5
Duration in minutes	0		
Assessment Description Practical Task at the end of each section. Used to establish individual knowledge of learner.			
Assessment Type	Continuous Assessment	**% of Total Mark**	20
Marks Out Of	0	**Pass Mark**	0
Timing	Week 12	**Learning Outcome**	3,4,5
Duration in minutes	0		
Assessment Description Practical Task at the end of each section. Used to establish individual knowledge of learner.			
Assessment Type	Short Answer Questions	**% of Total Mark**	30
Marks Out Of	0	**Pass Mark**	0
Timing	Week 13	**Learning Outcome**	1,2,5,6
Duration in minutes	0		
Assessment Description Used to establish if the learner has acquired a level of understanding of the theory presented in the lectures.			

No Project
No Practical
No Final Examination

Part Time

Course Work			
Assessment Type	Other	**% of Total Mark**	30
Marks Out Of	0	**Pass Mark**	0
Timing	Every Week	**Learning Outcome**	1,2,3,4,5,6
Duration in minutes	0		
Assessment Description Weekly Tasks and Reports			

Assessment Type	Continuous Assessment	**% of Total Mark**	40
Marks Out Of	0	**Pass Mark**	0
Timing	Week 12	**Learning Outcome**	3,4,5,6
Duration in minutes	0		
Assessment Description Practical Task at the end of each section. Used to establish individual knowledge of learner.			

Assessment Type	Short Answer Questions	**% of Total Mark**	30
Marks Out Of	0	**Pass Mark**	0
Timing	Week 13	**Learning Outcome**	1,2,5,6
Duration in minutes	0		
Assessment Description Used to establish if the learner has acquired a level of understanding of the theory presented in the lectures.			

No Project

No Practical

No Final Examination

Reassessment Requirement

No repeat examination
Reassessment of this module will be offered solely on the basis of coursework and a repeat examination will not be offered.

Module Workload

Workload: Full Time

Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Lecture	Contact	No Description	Every Week	1.00	1
Practical	Contact	No Description	Every Week	3.00	3
Directed Reading	Non Contact	No Description	Every Week	2.00	2
Independent Study	Non Contact	No Description	Every Week	2.00	2
				Total Weekly Learner Workload	8.00
				Total Weekly Contact Hours	4.00

Workload: Part Time

Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Lecture	Contact	No Description	Every Week	1.00	1
Practical	Contact	No Description	Every Week	3.00	3
Directed Reading	Non Contact	No Description	Every Week	2.00	2
Independent Study	Non Contact	No Description	Every Week	2.00	2
				Total Weekly Learner Workload	8.00
				Total Weekly Contact Hours	4.00

Module Resources

Recommended Book Resources

Limoncelli, Thomas A., and Hogan, Christine. (2007), The practice of System and Network Administration,, 2nd. Addison Wesley, [ISBN: 0321492668]].

Burgess, Mark. (2004), Principles of Network and System Administration,, 2nd. Wiley, [ISBN: 0470868074]].

Configuring, Managing and Maintaining Windows Server 2008R2 - based Servers, Microsoft Press, Microsoft Press 2011, [ISBN: 64198PRODUCT].

Brian Desmond, Joe Richards, Robbie Allen, Alistair G. Lowe-Norris. (2013), Active Directory: Designing, Deploying, and Running Active Directory, 5th. O'Reilly, [ISBN: 1449320023].

Brian Svidergol, Robbie Allen. (2013), Active Directory Cookbook, 4th Edition Solutions for Administrators & Developers, O'Reilly Publishers, [ISBN: 1449320023].

Recommended Article/Paper Resources

Paul Cobbaut. (2013), Linux Fundamentals.

Other Resources

[Web Site], LINUX,
http://www.linux.com

[Web Site], TechNet,
http://www.technet.com