

CIST 2414 - Microsoft Server Administrator (version 201003L)

Course Title Course Development Learning Support

Microsoft Server Administrator Standard No

Course Description

Provides students with knowledge and skills necessary to install, configure, manage, support and administer Windows Server. Topics include server deployment, server management, monitor and maintain servers, application and data provisioning, and business continuity and high availability.

Pre-requisites

Pre-requisites: All Required

Program Admission

Co-requisites

Co-requisites: None

Course Length

	Minutes	Contact Hour	Semester Credit	WLU
Lecture:	1500	30		
Lab 2:	3000	60		
Lab 3:	0	0		
Total:	4500	90	4	
Semester Credit Hours:			4	142.5
Breakout Detail of Lab 3				
Practicum/Internship	0	0		
Clinical	0	0		

Competencies & Outcomes

Order	Description	Lecture	Lab 2	Lab 3	Total Min	Credit Hrs	Pract Intern	Clinical
1	Server Deployment	400	800	0	1200	0	0	0
Order	Description						Learning Domain	Level of Learning
1	Plan and implement server installations and upgrades.						Psychomotor	Mechanism
2	Plan and implement infrastructure services and server roles including IP address, name resolution, network access, directory services, application services, certificate services, file and print server roles and more.						Psychomotor	Mechanism
2	Server Management	300	600	0	900	0	0	0
Order	Description						Learning Domain	Level of Learning
1	Plan and implement server management strategies including remote services and server management technologies.						Psychomotor	Mechanism
2	Plan and implement for delegated administration including Active Directory configuration.						Psychomotor	Mechanism

3	Plan and implement group policy strategy.	Psychomotor	Mechanism
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3	Monitor and Maintain Servers	300	600	0	900	0	0	0
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Order	Description	Learning Domain	Level of Learning
1	Implement patch management strategy including Windows Server Update Services (WSUS) and other methods.	Psychomotor	Mechanism
2	Monitor servers for performance evaluation and optimization.	Psychomotor	Mechanism
3	Monitor and maintain security including remote access, network access, server security, firewall configuration, authentication and authorization, data security, auditing and more.	Psychomotor	Mechanism

4	Application and Data Provisioning	250	500	0	750	1	0	0
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Order	Description	Learning Domain	Level of Learning
1	Demonstrate an understanding of provisioning applications including virtualization, terminal server infrastructure, resource allocation, application deployment and other options.	Psychomotor	Guided Response
2	Demonstrate an understanding of provision data including shared resources, offline data access and more.	Psychomotor	Guided Response

5	Business Continuity and High Availability	250	500	0	750	0	0	0
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Order	Description	Learning Domain	Level of Learning
1	Plan and design storage solutions that enhance and support business continuity and high availability.	Psychomotor	Mechanism
2	Plan for high availability and redundancy.	Cognitive	Application
3	Develop and implement a backup and recovery plan.	Cognitive	Application

Competency Totals:		Lecture 1500	Lab 2 3000	Lab 3 0	Total Min 4500	Cred Hrs 4	Pract Intern 0	Clinical 0
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