



BAKER COLLEGE
STUDENT LEARNING OUTCOMES

MNP 2210 Server Administration I
3 Semester Hours

Student Learning Outcomes & Enabling Objectives

1. Configure Windows deployment systems and implement patch management.
 - a. Install, configure and manage Windows Deployment Services including boot, install and discover images, update images, offline images and driver groups and packages.
 - b. Install, configure and implement Windows updates, automatic updates, Windows Server Update Services and patch management.
2. Configure and monitor Windows events, Distributed File System services and file services.
 - a. Configure Microsoft management console for use with server management consoles, real time performance monitoring and alerts.
 - b. Install, configure and optimize the Distributed File System service.
 - c. Install and configure file server resource manager including role services, quotas, file screens, reports and file management tasks.
 - d. Configure file services and disk encryption including EFS recovery agent, EFS and BitLocker certificates, BitLocker encryption and policies, EFS and BitLocker certificates and the network unlock feature.
3. Configure advanced audit policies, DNS zones, DNS records and VPN services.
 - a. Configure and implement auditing and advanced auditing policies.
 - b. Configure DNS including names, zones and types of DNS server services.
 - c. Configure DNS records and utilize troubleshooting tools.
 - d. Install and configure the remote access role including VPN settings, remote dial in settings, NAT and routing.
4. Configure and implement direct access, Network Policy Server (NPS), NPS policies, and Network Access Protection.
 - a. Implement and configure direct access including understanding the connection process, requirements, deployment and troubleshooting.
 - b. Install and configure a network policy server infrastructure including RADIUS server, RADIUS clients, NPS templates, RADIUS accounting and NPS authentication methods.
 - c. Configure and manage NPS policies.
 - d. Install, configure and use Network Access Protection including enforcement, system health validators, health policies, isolation and remediation and NAP client settings.
5. Configure Service Authentication, domain controllers and Active Directory.
 - a. Create and configure service accounts including configuring server authentication and managing service accounts.
 - b. Configure and manage a domain controller including global catalogs, configuring groups and roles, read only domain controllers and cloning a domain controller.
 - c. Maintain Active Directory including user account management, backup and restore, Active Directory offline, optimizing an Active Directory database and cleaning up metadata.

6. Configure and maintain account and group policies.
 - a. Configure account policies including password policies, account lockout settings, password settings, and Kerberos policy settings.
 - b. Configure group policies including policy processing, loopback processing, client side processing, troubleshooting, group policy settings managing group policy objects and configuring group policy preferences.
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These SLOs are approved for experiential credit.

Effective: Fall 2017