

Minnesota State College Southeast

NWAT 2678: MS Network Environment

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 2

Lab Hours/Week: 2

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course provides a comprehensive view of the Microsoft networking environment. Students will concentrate on troubleshooting the Microsoft core elements of networking protocols, DHCP, DNS and WINS services, remote access and IP routing. Additional emphasis will be given to advanced security concepts relating to authentication, web services, directory and file transfer services, firewalls, intrusion detection, cryptography and computer forensics. (Prerequisites: NWAT1641, NWAT1649, NWAT2669) (3 credits: 2 lecture/1 lab)

B. COURSE EFFECTIVE DATES: 03/13/2009 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Explain server environment
2. Display teamwork attitude
3. Describe MS service packs
4. Install Windows update
5. Monitor server health
6. Describe Active Directory concepts
7. Configure IP address
8. Troubleshoot DHCP
9. Utilize Netstat
10. Manage intersite replication
11. Explain Windows 2000 security
12. Manage user accounts
13. Describe Active Directory schema
14. Recover disk failures
15. Utilize Nslookup
16. Install DNS
17. Configure groups
18. Optimize disk performance
19. Manage user data
20. Recover user data
21. Upgrade device drivers
22. Configure auditing
23. Describe software deployment
24. Configure global accounts
25. Manage security policy
26. Install Active Directory
27. Configure local accounts
28. Manage file permissions
29. Modify Active Directory schema
30. Describe LAN Manager
31. Create Active Directory backups
32. Define group policy inheritance
33. Troubleshoot logon scripts

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted