

Minnesota State College Southeast

NWAT 1649: Microsoft Server/Enterprise

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 will explore the Microsoft server networking environment. The students will learn how to plan, install and configure a MS server in a single domain environment. Emphasis will be placed on the managing, monitoring and optimizing of network resources. Boot failures, configuration errors and fault-tolerances will be discussed as it relates to the Microsoft environment. Students will be required to install and configure a server in a single domain environment. The use of diagnostic and monitoring software will be emphasized. (Prerequisite: NWAT1601, NWAT1602, NWAT1641) (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. Manage group accounts
2. Configure hard drives
3. Convert FAT partitions
4. Configure MS client computers
5. Install MS server user accounts
6. Describe Netware connectivity
7. Manage user accounts
8. Describe MS server core services
9. Manage MS policies
10. Manage MS profiles
11. Manage disk resources
12. Manage shared directories
13. Describe NTFS
14. Describe NTFS file permissions
15. Describe Microsoft server operating systems
16. Install MS server group accounts
17. Describe Microsoft server network protocols
18. Compare Microsoft server and other Microsoft OSs
19. Plan workgroups
20. Plan domains
21. Describe workgroups
22. Configure MS printers
23. Plan disk drive configurations
24. Configure network devices
25. Describe MS server on Intel based platforms
26. Describe MS server installation
27. Describe MS server roles
28. Describe MS server installation methods
29. Configure network protocols
30. Configure network bindings
31. Configure network adaptors
32. Describe domains
33. Troubleshoot connectivity problems
34. Describe NTFS file Security
35. Troubleshoot boot failures
36. Troubleshoot configuration failures
37. Troubleshoot registry failures
38. Utilize network optimization
39. Troubleshoot RAS problems
40. Utilize disk optimization
41. Troubleshoot resource access
42. Troubleshoot fault tolerance failures
43. Describe advance problem resolution
44. Display teamwork attitude

45. Display common sense troubleshooting techniques
46. Document installation data
47. Document network configuration
48. Troubleshoot network printing problems
49. Install system policies
50. Describe Remote Access Service (RAS)
51. Install MS Server
52. Install Netware Gateway Services
53. Install RAS
54. Describe server performance objectives
55. Troubleshoot installation failures
56. Describe configuration changes and their affects on performance
57. Display interpersonal communication
58. Install user profiles
59. Analyze MS server memory usage
60. Analyze MS server processor usage
61. Analyze MS server disk usage
62. Analyze MS server network usage
63. Analyze performance data
64. Utilize processor optimization
65. Describe Monitor performance

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted