

COCONINO COMMUNITY COLLEGE

COURSE OUTLINE

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Reviewed by: D. Bowman
Status: Permanent

Date: January 13, 2005
Fall 2010

A. Identification:

1. Subject Area: Computer Information Systems
2. Course Number: CIS 240
3. Course Title: Installing, Configuring, and Administering Microsoft Windows

Server

4. Credit Hrs: 4
5. Catalog Description:

Installing, configuring, managing and supporting Microsoft Windows environment. This course helps to prepare students to take the Microsoft Certified Professional exam for implementing a Microsoft Windows Server Environment. Prerequisite: CIS 130 or consent of instructor. Four lecture. May be taken for S/U credit.

B. Course Goals:

To develop the skills needed to administer Windows over various networks. Designed for students either currently working or wishing to work in the information technology field.

C. Course Outcomes:

Students will:

1. Perform an attended installation of Windows Server.
2. Deploy service packs.
3. Monitor, configure, troubleshoot, and control access to printers.
4. Monitor, configure, troubleshoot, and control access to files, folders, and shared folders.
5. Configure driver signing options.
6. Monitor and optimize usage of system resources.
7. Optimize disk performance.
8. Manage and optimize availability of System State data and user data.
9. Recover System State data and user data.
10. Monitor, configure, and troubleshoot disks and volumes.
11. Configure data compression.
12. Monitor and configure disk quotas.
13. Install, configure, and troubleshoot shared access.
14. Install, configure, and troubleshoot network protocols.
15. Implement, configure, manage, and troubleshoot policies in a Windows environment.
16. Implement, configure, manage, and troubleshoot local accounts.
17. Implement, configure, manage, and troubleshoot Account Policy.

D. Course Outcomes Assessment:

Assessment will include:

1. Pre-Post Test
2. Practical Final Exam (configuring the Server)

E. Course Content:

Will include:

1. Installing Windows Server
2. Installing, Configuring, and Troubleshooting Access to Resources
3. Configuring and Troubleshooting Hardware Devices and Drivers
4. Managing, Monitoring, and Optimizing System Performance, Reliability, and Availability
5. Managing, Configuring, and Troubleshooting Storage Use
6. Configuring and Troubleshooting Windows Network Connections
7. Implementing, Monitoring, and Troubleshooting Security