CIS 51.53 Course Outline as of Spring 2008

CATALOG INFORMATION

Dept and Nbr: CIS 51.53 Title: MS WINDOWS 2000 SERVER
Full Title: Microsoft Windows 2000 Server
Last Reviewed: 7/22/2002

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.50	Lecture Scheduled	2.00	8	Lecture Scheduled	16.00
Minimum	1.50	Lab Scheduled	2.00	4	Lab Scheduled	16.00
		Contact DHR	1.50		Contact DHR	12.00
		Contact Total	5.50		Contact Total	44.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 32.00 Total Student Learning Hours: 76.00

Title 5 Category:	AA Degree Applicable
Grading:	Grade or P/NP
Repeatability:	00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:	
Formerly:	CIS 84.38A

Catalog Description:
Designed to provide students with a comprehensive understanding of Microsoft Windows 2000 Server and to prepare students to handle server administration. Focuses on theory, concepts and implementation of selecting server and client hardware, installing and configuring a server, setting up and managing network printing services, establishing remote access services, interoperating on a network, setting up for the Internet, monitoring and tuning a server, and troubleshooting problems.

Prerequisites/Corequisites:
Completion of CIS 51.14 or CIS 51.18 AND CIS 51.15 or CIS 58.81A.

Recommended Preparation:
Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:

Schedule of Classes Information:
Description: Designed to provide a comprehensive understanding of Microsoft Windows 2000 Server and to prepare students to provide effective server administration and for the Microsoft MCSE exam. (Grade or P/NP)

Prerequisites/Corequisites: Completion of CIS 51.14 or CIS 51.18 AND CIS 51.15 or CIS 58.81A.
Recommended: Eligibility for ENGL 100 or ESL 100
Limits on Enrollment:
Transfer Credit:
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**	Effective:	Inactive:
CSU GE:	**Transfer Area**	Effective:	Inactive:
IGETC:	**Transfer Area**	Effective:	Inactive:

CSU Transfer:	Effective:	Inactive:
UC Transfer:	Effective:	Inactive:

CID:

Certificate/Major Applicable:
Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:
The students will be able to:
1. Describe and understand the role of a server in a network environment
2. Demonstrate ability to implement protocol communication theories and practices
3. Given specifications:
   a. plan a server implementation
   b. plan server hardware specifications
   c. select an appropriate protocol and describe the implementation
   d. formulate a plan for the active directory
   e. formulate a security plan
4. Install Windows 2000 Server
5. Configure Windows 2000, taking into account the following:
   a. storage and performance
   b. clients
   c. folder management and security
   d. Distributed File System (dfs), disk quotas, and licensing
   e. network printing
   f. interoperability
6. Compare and contrast setting up ras and vpn servers
7. Describe the benefits of server monitoring
8. Compare server monitoring to network monitoring
9. Explain the Microsoft implementation of name resolution processes and network interoperability

Topics and Scope:

1. Describing and planning networking models
2. Demonstrating ability to manage network resources
3. Explaining theories and concepts of network protocols through establishing communication and contending with compatibility issues
4. Planning server installation and configuration
5. Demonstrating understanding of problem solving methods, such as the Dartmouth Method, through scenario drills
6. Configuring server storage, backup, and performance options
7. Utilizing "best practice" processes of user account management and client connectivity
8. Managing groups, folders, files, and object security
9. Managing and explaining the Distributed File System, disk quota allocation, and software installation process
10. Installing and managing printers
11. Describing the protocols involved in and implement network Remote Acce and Virtual Private Networks
12. Managing and implementing concepts related to Internet and Network Interoperability protocols, theories and practices
13. Monitoring and optimizing servers
14. Monitoring and tuning networks
15. Troubleshooting the network

Assignment:

1. Approximately 50 pages weekly reading from the textbook
2. Weekly individual and group case study problems
3. Hands-on skill practice in the lab
4. Written quizzes and performance exams

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments and skill demonstrations are more appropriate for this course.	Writing 0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems	Problem solving 25 - 50%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Set up, maintain, and troubleshoot networks	Skill Demonstrations 25 - 50%

Exams: All forms of formal testing, other than skill performance exams.

Multiple choice, True/false, Matching items, Completion, Performance exam(s)	Exams 25 - 50%

Other: Includes any assessment tools that do not logically fit into the above categories.

None	Other Category 0 - 0%

Representative Textbooks and Materials:

1. "Windows 2000 Server", by David Johnsom and Dawn Rader - Coriolis 2000
2. "MCSE Guide to Microsoft Winsows 2000 Server", by Course Technology 2000