

MIDSTATE COLLEGE
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SPRING 2008

Course Number & Name:	MSE 115 – Windows Server Administration
Instructor Information:	Brian Hughes bhughes@midstate.edu
Credit Hours:	4
Course Description:	Students will learn to install, configure, and administer the Windows Server operating system. Topics include account management, file systems, backup, remote access, and security. Upon completion of this course, the student will have covered the necessary topics for the corresponding Microsoft certification exam.
Prerequisite:	MSE 110 - Windows Desktop Operating System
Text(s) & Manual(s):	Managing and Maintaining a Microsoft Windows Server 2003 Environment. (Textbook and Lab Manual) ISBN 0-07-294487-0
Author(s):	Craig Zacker
Publisher:	Microsoft Press, 2004
Materials needed for this course:	Notebook for maintaining lab journal (optional)
Topics:	This course is intended for anyone who wants to learn how to install, configure, administer, and support the primary services in the Microsoft Windows Server 2003 operating system, as well as for those individuals seeking Microsoft certification. The course begins by examining basic system administration procedures. Subsequent chapters are devoted to the creation and management of Windows Server 2003 user, group, and computer accounts, to the sharing of system resources, and to the installation and maintenance of system hardware.

This is a standardized syllabus for MSE 110. All modifications will be made by the program coordinator to maintain consistency.

Learning Objectives: Upon completion of this course the student will be able to:

- Identify the key differences among the Windows Server 2003 editions and the logical components and concepts of Active Directory directory services
- Install Windows Server 2003 and create a domain controller
- Create and use MMC consoles
- Configure a server to enable Remote Desktop for Administration and Remote Assistance
- Use the Event Viewer to monitor system logs
- Configure Task Manager to display performance data and to start and end applications and processes
- Use the Performance console to display real-time performance data and create counter logs and alerts
- Understand the capabilities of network backup software products, including the Windows Server 2003 Backup program
- Understand the difference between full, incremental, and differential backup jobs
- Back up and restore an Active Directory database
- Use volume shadow copies
- Deploy service packs and hotfixes using Windows Update, Automatic Updates, group policies, and Microsoft Software Update Services
- Integrate service packs and hotfixes into a Windows Server 2003 operating system installation
- Use Microsoft Baseline Security Analyzer
- Understand Per Server and Per Device or Per User licensing modes and configure licenses using the Choose Licensing Mode tool in Control Panel and the Licensing administrative tool
- Understand the differences between local user accounts and domain user accounts
- Plan, create, and manage local and domain user accounts
- Understand the differences between local, roaming, and mandatory profiles
- Identify the two group types and three group scopes and their proper use
- Create, manage, and delete groups
- Create, manage, and troubleshoot computer objects
- Create and manage file system shares and work with share permissions
- Use NTFS file system permissions to control access to files
- Manage file sharing using Microsoft Internet Information Services (IIS)
- Understand the model and terminology used for Windows printing
- Install and manage a logical printer on a print server
- Connect a printer client to a logical printer on a print server
- Troubleshoot printer failures
- Install and manage device drivers
- Troubleshoot device driver problems
- Understand disk-storage concepts and terminology
- Add storage to a Windows Server 2003 computer
- Manage disks using Check Disk, Disk Defragmenter, and Disk Quotas

Midstate Grading Scale:

90-100	A
80-89	B
70-79	C
60-69	D
0-59	F

Midstate Plagiarism Policy:

Matters related to academic honesty or contrary action such as cheating, plagiarism, or giving unauthorized help on examinations or assignments may result in an instructor giving a student a failing grade for that academic effort and also recommending the student be given a failing grade for the course and/or be subject to dismissal.

Plagiarism is using another person's words without giving credit to the author. Original speeches, publications, and artistic creations are sources for research. If you use the author's words in your papers or assignments, you must acknowledge the source. Plagiarism is strictly against the academic policy of the college and is grounds for failing the course. If repeated, plagiarism may result in suspension from the college.

Participation requirements/policies and procedures/requirements to pass the course:

- 1) Assignments: Homework is due at the beginning of the class period. All homework is to be turned in with your name, date, and the name of the assignment at the top. 70% is the highest score that late or make up work can earn without prior arrangement with the instructor. No make up work is accepted during finals week.
- 2) Exams: Must be taken on the dates scheduled by the instructor. Failure to take an exam on the scheduled date will result in a grade of "F" (0 points). Make-up exams must be taken in the testing center. It is the student's obligation to make the appropriate arrangements to have a test administered.
- 3) Attendance: Regular attendance is expected. It is the student's responsibility to notify the instructor when a class will be missed. If you know of a conflict ahead of time, you are welcome to submit projects early. If you find that an absence is unavoidable, contact the Midstate Office at 692-4092 and leave a message or email me at the address above. If I do not receive a call or email before the missed class period, you will be considered unexcused and no make-up will be allowed for that day. Lab work must be completed in class on furnished equipment. Make-up lab work can be scheduled with the instructor if an absence is unavoidable. Lab work may be scheduled during any class.
- 4) Academic Dishonesty: Plagiarism and cheating are serious offenses and may be punished by failure on exam, paper, or project; failure in course; and/or expulsion from the college. For more information refer to the "Academic Dishonesty" policy in the student handbook.
- 5) Grades: It is the students' responsibility to keep copies of all assignments turned in for a letter grade until the end of the quarter when a final grade has been earned. If a document is lost and no copy is available, the student will not receive credit.

- 6) Behavior: Cell phones / pagers are prohibited from use in this course. Also, do NOT use email/messenger programs during class. This is not only rude to your instructor, but also distracts you and others around you from the learning experience.
- 7) Student Responsibility: The following are the student's responsibilities:
- Reading the class textbook and any other materials assigned by the instructor, including journals, magazines, white papers, and Internet materials. Chapter materials covered during class should be read BEFORE the start of class.
 - Participating in oral presentations and classroom discussions
 - Participating in lab exercises
 - Completing all assignments and quizzes/exams

Methods of evaluating student performance:

Homework assignments are used to assess students' critical thinking skills. Lab work assignments will be used to measure the students' ability to apply concepts learned from lecture in a hands-on way.

Examination Information:

The quizzes and exams will be a combination of fill-in-the-blank, true/false, multiple-choice and matching questions. A hands-on practicum may be utilized where appropriate. Quizzes will focus mostly on recently covered material, however earlier material will still be included at some points to ensure foundation concepts are fully understood. The midterm will be comprehensive and cover all chapters covered in class to that date. The final will be comprehensive and will cover all chapters covered since the midterm.

Instructors Grading Scale:

These percentages are approximate values

• Homework Assignments	(100 pts.)	29%
• Lab assignments / Lab journal	(50 pts.)	14%
• Quizzes/Exams	<u>(200 pts.)</u>	<u>57%</u>
Total:	350 pts	100%

The following is a tentative schedule for the course. The instructor reserves the right to make schedule changes based on the needs of the students in the class.

Day	Date	Assignment
Week 1	2/26	Class introduction / Chapter 1 / Lab 1
Week 2	3/4	No Class – Instructor will be out of town
Week 3	3/11	Chapter 2 & 3 / Lab
Week 4	3/18	Chapter 4 & 5 / Lab
Week 5	3/25	Chapter 6 / Lab
Week 6	4/1	Midterm Exam / Chapter 7 / Lab
Week 7	4/8	Chapter 8 / Lab
Week 8	4/15	Chapter 9 / Lab
Week 9	4/22	Chapter 10 / Lab
Week 10	4/29	Chapter 11 / Lab
Week 11	5/6	Chapter 12 / Lab
Week 12	5/13	Review / Final Exam

Tips to Succeed

- 1) Read the book! Please read the chapters BEFORE the class day you are scheduled to discuss them. This will make it easier for you to understand the lecture and also to be prepared to ask questions if you have any.
- 2) Good Attendance is important! School is like a job and to succeed you need to work at it.
- 3) Study, study, and study some more! The student handbook recommends studying 2 hours for every hour of class time scheduled. For example, a 4 credit hour class means you should be studying 8 hours a week outside of the classroom. Please refer to the student handbook, page 31, for more learning strategies.
- 4) Ask questions! If you do not understand a topic please ask questions! This is “YOUR COLLEGE”, make the most of it.