

Computer Network Management Lab-III

IT 426 (IS 386) – Winter Semester 2008

INSTRUCTOR: Timothy D. Stanley, PhD

URL: <http://soc.byuh.edu/stanleyt/>

OFFICE: School of Computing (GCB) 126

OFFICE HOURS: My office hours for Winter 2008 are 10-12 MWF and 2-3 MTWTH.

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Lab Assistant: Todd Black, MCSA

CLASS SCHEDULE: GCB 143 T Th 11:00-12:20

CATALOG DESCRIPTION:

Installation, configuration, and management of network services such as file servers and directory services with an emphasis on Microsoft Windows.

PREREQUISITES: IS-280 (Data Communications and Networks).

REQUIRED TEXTS:

Managing a Microsoft Windows Server 2003 Environment, Dan DiNicolo, Thompson Course Technology, 2004 ISBN 0-619-12035-5.

TestOut Win 2003: Manage/Maintain a Server Environment 70-290

ADDITIONAL REFERENCES:

Computer Networking: A Top-Down Approach Featuring The Internet, James F. Kurose and Keith W. Ross, Addison Wesley, 3rd Ed., 2005.

OBJECTIVES OF THE COURSE:

This course is intended to give students an understanding of network management. The expected outcomes for this course are:

1. Be prepared to pass the “Managing and Maintaining a Microsoft Windows Server 2003 Environment” exam (#70-290).

2. Demonstrate the ability to manage a Microsoft Server 2003 network environment by completing 139 activities as defined in the text book.
3. Explain network management issues including; ethics, security, privacy, reliability, and performance.

COURSE OUTLINE:

<u>Date</u>	<u>Class Discussion / Lab work</u>	<u>Pre-Class Reading</u>	<u>Homework Due Dates</u>
Th Jan 10	Syllabus, Computers, Testout, Chapter 1 Introduction to Windows Server 2003 (Activities 1-1 to 1-5)	Chapter 1	Ch.1 Review Questions
T Jan 15	Managing Hardware Devices (Activities 2-1 to 2-9)	Chapter 2	Ch1 Activities
Th Jan 17			Ch.2 Review Questions
T Jan 22	Creating and Managing User Accounts (Activities 3-1 to 3-9)	Chapter 3	Ch2 Activities
Th Jan 24	Exercises		Ch3 Review Questions
T Jan 329	Managing Groups and Computers (Activities 4-1 to 4-8)	Chapter 4	Ch3 Activities
Th Jan 31			Ch.4 Review Questions
T Feb 5	Managing File Access (Activities 5-1 to 5-8)	Chapter 5	Ch4 Activities Assessment #1 (TestOut)
Th Feb 7			Ch.5 Review Questions
T Feb 12	Managing Disks and Data Storage (Activities 6-1 to 6-9)	Chapter 6	Ch5 Activities
Th Feb 14			Ch.6 Review Questions
T Feb 19	Advanced File Management (Activities 7-1 to 7-6)	Chapter 7	Ch6 Activities
Th Feb 21	MIDTERM EXAM: Testing Center		Ch.7 Review Questions
T Feb 26	Printer Management (Activities 8-1 to 8-10)	Chapter 8	Ch7 Activities
Th Feb28			Ch.8 Review Questions
T Mar 4	Implementing Group Policy (9-1 to 9-14)	Chapter 9	Ch8 Activities
Th Mar 6			Ch.9 Review Questions
T Mar 11	Server Administration (Activities 10-1 to 10-16)	Chapter 10	Ch9 Activities Assessment #2 (TestOut)
Th Mar 13			Ch.10 Review Questions
T Mar 18	Monitoring Server Performance (Activities 11-1 to 11-8)	Chapter 11	Ch10 Activities
Th Mar 20			Ch.11 Review Questions
T Mar 25	Backups and Disaster Recovery (Activities 12-1 to 12-9)	Chapter 12	Ch11 Activities
Th Mar 27			Ch.12 Review Questions
T Apr 1	Administering Web Resources (Activities 13-1 to 13-17)	Chapter 13	Ch12 Activities
Th Apr 3			Ch.13 Review Questions
T Apr 8	Server 2003 Security Features (Activities 14-1 to 14-9)	Chapter 14	Ch13 Activities Assessment #3 (TestOut)
Th Apr 10			Ch. 14 Review Questions
T Apr 15	Final Review		Ch14 Activities
T Apr 21	Final Exam 3 pm – 6 pm (In Testing Center)		

ASSESSMENT:

<u>Assessed Item</u>	<u>Weight</u>	<u>Activity</u>
Review Questions, Case Projects, Activities, Attendance, Reading, Special Projects	40%	Individual
Assessment Exams (three)	30%	Individual
Midterm Exam (From Text)	15%	Individual
Comprehensive Final Exam	15%	Individual
Total	100%	

Grade Assignment: A \geq 92%; A- \geq 89; B+ \geq 86; B \geq 82; B- \geq 79; C+ \geq 75; C \geq 71; C- \geq 67; D+ \geq 64; D \geq 60; D- \geq 57; F < 57

PARTICIPATION

Students are expected to attend class, arrive on time, and participate in group work, class discussions, and lab activities. Points will be deducted for lack of participation, or for arriving late. Computers are for classroom use only and students will lose points for working on other projects during class time.

REVIEW QUESTIONS & HANDOUTS:

In the textbook, at the end of each chapter, there are 20 review questions. Students are asked to complete the review questions, and all activities for chapters 1-14. The review questions are due at the end of the Thursday Class for that week. Chapter activities are due the end of class the following Monday. Activities will be signed off by the instructor or Lab assistant, Todd Black. Late assignments will not be accepted. I will hand out a sheet to answer the review questions with the lecture on Tuesday. This is my mechanism for taking attendance. Sheets are picked up on Tuesday and turned in on Thursday. The assignments will include review question answers (3 points), case project answers (3 points), and a statement that the chapter was read and all activities were completed (2 points). Attendance will be another 2 points for a total of 10 per chapter. If a student turns in the review questions after the due date they will get a maximum of 4 of the 10 possible points. The lowest score will be dropped for a total possible of 130 points. One extra project is also optional for 20 additional points. These include presenting the material for a chapter or a detailed lab exercise as negotiated with the instructor. These can be done in groups of up to three people.

ASSESSMENT EXAMS

Students are expected to take three assessments exams during the semester. These will be typical exams from the TestOut course of study for Microsoft Certification Exam #70-290. The exams need to be accomplished on the networked TestOut so that the instructor can see the scores. The exams will be

evaluated on the expectation of 35% for the first one, 60% for the second one, and 75% for the third one. These assessments make up 30% of the grade. The exams must be completed by 11:59pm on the due date as noted on the outline.

Additional assessment exam details will be provided in class.

MIDTERM EXAM:

At midterm, students will be given an exam covering the textbook, and other highlighted material. The exam will consist of multiple-choice questions, and a review sheet of key points will be provided. The exam is worth 100 points. No make-up exams will be given.

FINAL EXAM:

The final exam for this course will be administered during finals week, according to the University's final exam [schedule](#). Please be advised that there are no early final exams. Students must plan travel in a way that will not interfere with final exams. Less expensive fares, more convenient travel arrangements, and any other non-emergency reason are not considered justification for early or late final exams. Students are responsible for making sure that family or friends who may supply tickets or make travel arrangements for a student are aware of the student's need to complete courses by taking the final examinations as scheduled. Emergency situations should be presented in writing to the Dean of the School of Computing, as the emergency arises.

The final exam will be comprehensive covering chapters 1-14 of the textbook and additional lab material. The exam will consist mainly of multiple-choice questions, but may include short answer or other types of questions. The assessment exams, review questions, and CoursePrep questions at the end of the textbook are the types of questions that will be on the final. The final will be worth a total of 100 points. No make-up exams will be given.

SPECIAL NEEDS:

Brigham Young University-Hawai'i is committed to providing a working and learning atmosphere, which reasonably accommodates qualified persons with disabilities. If you have any disability that may impair your ability to complete this course successfully, please contact the students with Special Need Coordinator, Leilani A'una at 293-3518. Reasonable academic accommodations are reviewed for all students who have qualified documented disabilities. If you need assistance or if you feel you have been unlawfully discriminated against on the basis of disability, you may seek resolution through established grievance policy and procedures. You should contact the Human Resource Services at 780-8875.

PREVENTING SEXUAL HARASSMENT:

Title IX of the education amendments of 1972 prohibits sex discrimination against any participant in an educational program or activity that receives federal funds, including Federal loans and grants. Title IX also covers student-to-student sexual harassment. If you encounter unlawful sexual harassment or gender-based discrimination, please contact the Human Resource Services at 780-8875 (24 hours).