

Networking Systems Administration Department
Business/Public Service Division
GREENVILLE TECHNICAL COLLEGE

COURSE SYLLABUS

Course Number: IST 258

Course Title: LAN Directory Services

Lecture hours per week: 3.0 **Semester credit hours:** 3.0

Prerequisite: IST 257

Catalog course description: A study of LAN objects, object properties, and how to organize network objects into a structure that is extensible and scalable, provides a hierarchical view of network resources and allows administrators, developers and end users to gain access to those resources. *Note: Microsoft Windows Server 2008* will be used in this course.

Purpose of the course: Provide students with the knowledge and skills necessary to understand, install, configure, and administer directory services with a Windows 2008 Server network operating system.

Required text(s) or other materials:

1. MCTS Guide to Microsoft Windows Server 2008 Active Directory Configuration; Greg Tomosho: Course Technology/Thomson Learning; ISBN 13:978-1-423-90235-5; ISBN 10:1-423-90235-1
2. NOTE: Students in traditional classes must access Blackboard for course-related information. Students in hybrid and online classes will access their online content through Blackboard.

COLLEGE-WIDE STUDENT LEARNING OUTCOMES

1. Communication – Students will demonstrate the ability to use active reading and listening skills and to produce effective written and oral communication for varying audiences.
2. Information Technology and Technological Literacy – Students will demonstrate competency in using computer technology within a field of study.
3. Critical Thinking/Reasoning – Students will demonstrate the ability to apply the scientific method, mathematical processes, and research skills to analyze and solve problems/issues by using reflection and reasoning to justify conclusions.
4. Professional and Personal Responsibility – Students will demonstrate the ability to exhibit conduct, attitudes, and etiquette appropriate to the student’s community and chosen career. Students will demonstrate the ability to manage time, to use effective interpersonal skills, and to display responsible behavior.

5. Diversity – Students will demonstrate the ability to recognize diversity and to demonstrate respectful conduct and attitudes toward all. Students will demonstrate the ability to explain how global issues impact life, work, and opportunities.

Approved March 26, 2009

NETWORKING SYSTEMS ADMINISTRATION PROGRAM STUDENT LEARNING OUTCOMES

Upon successful completion of the Network Administration program, the graduate will be able to:

1. Set up, maintain, and troubleshoot computer and network hardware.
2. Install, maintain, and troubleshoot operating system and application software.
3. Construct and configure local area networks according to specification.
4. Administer and troubleshoot network operating systems.
5. Design and develop programming solutions to prescribed problems.

Approved August 2009

IST 258 COURSE OUTCOMES

Students who successfully complete this course will have demonstrated a level of correct answers on the course assessment(s) that will be at least 80 percent for 80 percent of the course outcomes:

1. The student will be able to identify Windows Server 2008 Editions, manage server roles, implement directory services and troubleshoot performance issues.
2. The student will be able to implement and administer forests, trees, group policy, user accounts, groups, printers, shared folders and file permissions.
3. The student will be able to configure TCP/IP and implement both the logical and physical infrastructure of Active Directory.
4. The student will be able to install the Windows Server 2008 operating system and configure domain controllers , DNS servers, subnet objects, site links and intersite replication.

The objectives of the IST 258 course are intended to meet the Network Systems Administration program outcomes numbered 1, 2, 3, and 4 above.

IST 258 – Main Topics

Schedule of Topics, Fall 2010 (Tentative)

CLASS	DATE	LECTURE TOPIC	LAB EXERCISES	HOMEWORK ASSIGNMENTS
1	10/14(R)	INTRODUCE THE COURSE TEXT REVIEW CHAPTER 1- (SLIDES) REVIEW SYLLABUS		CH 1 Questions (Prepare in end of chapter) Study Ch 1 and 2
2	10/19 (T)	COMPLETE CH1 REVIEW CHAPTER 2 (SLIDES)	<i>Install 2008 Server</i>	CH 2 (Prepare in end of chapter questions) Study Ch 3
3	10/21(R)	REVIEW CHAPTER 3, (SLIDES) REVIEW FOR TEST 1(CH 1,2 AND 3)	Hands-On Projects <i>Handout: Active Directory install and changing functional level.</i>	CH 3 Questions (Prepare in end of chapter) Ch 1,2 and 3 questions are due WebCT Study for Unit Test 1(Ch 1,2 and 6) Study Ch4
	10/22 (F)	CHAPTER 1 2 AND 3 ASSIGNMENT DUE IN WEBCT		
4	10/26(T)	REVIEW CH 1,2 AND 3 HOMEWORK UNIT TEST#1(CH 1,2 AND 3) REVIEW CHAPTER 4 (SLIDES)		CH 4 Questions (Prepare in end of chapter) Study Ch 5
5	10/28 (R)	REVIEW CHAPTER 4 (CONTINUED) REVIEW TEST#1EXAM RESULTS 11/2-ELECTION DAY HOLIDAY	Hands-On Projects	
6	11/4 (R)	REVIEW CHAPTER 5		CH 5 Questions (Prepare in end of chapter) Study Ch 6
7	11/9 (T)	REVIEW CHAPTER 6 (SLIDES)		CH 6 Questions (Prepare in end of chapter) Study Ch 7 and 8
8	11/11 (R)	REVIEW CHAPTER 7 (SLIDES) REVIEW CHAPTER EIGHT(SLIDES) REVIEW FOR TEST 2 (CH 4,5,6 and 7) CH 4,5, 6AND 7HOMEWORK		Review for Test 2 (Ch 3,4,and 5) CH 7 Questions (Prepare in end of chapter) Study Ch 9 Ch 4,5, and 7 questions are due WebCT
	11/12 (F)	CH 4 ,5,6 AND 7 ASSIGN DUE IN WEBCT		
9	11/16 (T)	UNIT TEST #2 (CHAPTER 4,5,6 and 7) REVIEW CHAPTER 9		Ch 8 questions, (Prepare in end of chapter)
10	11/18 (R)	REVIEW OF TEST 2 RESULTS COMPLETE CHAPTER NINE REVIEW CHAPTER TEN, (SLIDES)		Ch 9 questions (Prepare in end of chapter) Study Ch 10 and 11
11	11/23(T)	REVIEW CHAPTER ELEVEN (SLIDES)		Review for Unit Test 3 (Ch 8, 9 10, and

		THANKSGIVING HOLIDAYS 11/24-26 REVIEW FOR UNIT TEST #3, CHAPTER 8-11		11) Ch8– 11 questions are due in WebCT Study Ch 12 Ch 11 questions (Prepare in end of chapter)
	11/24(W)	CH 8, 9 ,10 AND 11 ASSIGN DUE IN WEBCT		
12	11/30 (T)	TEST #3 (CHAPTER 8, 9, 10 AND 11) REVIEW CHAPTER TWELVE(SLIDES)		
13	12/2 (T)	COMPLETE CHAPTER 12 REVIEW CHAPTER 13 (SLIDES)	Hands-On Projects	Ch 12 questions (Prepare in end of chapter) Ch 12 and 13 questions due in WebCT
	12/3(W)	CHAPTER 12 AND 13 ASSIGNMENT DUE IN WEBCT		
14	12/7 (T)	COMPLETE CH THIRTEEN REVIEW FOR FINAL EXAM REVIEW CH 12 AND 13 HOMEWORK		Study for Final Exam
	12/9(R)	FINAL EXAM AT NORMAL CLASS MEETING TIMES		

IST 258 – EVALUATION AND GRADING INFORMATION

GRADING POLICY

Major Tests	60 percent
Attendance, Homework, and Labs	15 percent
Final Exam	25 percent

NOTE: ALL GRADED TESTS AND EXAMS ARE RETAINED BY THE INSTRUCTOR.

Final letter grades will be issued as follows:

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

READ THIS SYLLABUS CAREFULLY

You should read this syllabus carefully and ask your instructor about *any* aspects that you do not understand. The syllabus is an agreement between you and your instructor concerning course objectives, course content, grading, and other policies and procedures particular to this course. The above information is specific to the course. Three additional documents are provided as attachments and *are considered a part of this syllabus*:

Attachment 1:

Each instructor will provide a supplement to this syllabus. The supplement will include: a week-by-week plan of instruction based on the section in which you are enrolled; your instructor’s name, office hours and/or office location; and your instructor’s contact information and recommended best methods to contact your instructor.

Attachment 2:

The Department responsible for developing and teaching has policies and procedures in place to assure quality instruction for all students. These are attached as “Departmental Policies and Procedures.”

Attachment 3:

Please note that it is your responsibility to read the current Student Handbook included in Greenville Technical College’s Catalog. (See website.) The Student Handbook addresses specific academic and student conduct policies and procedures. Excerpts from the Student Handbook representing the policies and procedures most often referred to in working with students are provided for your convenience as “Attachment 3.”

Approved by:

Mark Krawczyk, Assistant Dean, Business/Public Business
Mark.Krawczyk@gvltec.edu, (864) 250-8404, Barton Campus, Building 103, Room 304

Approved by:

Lenna C. Young, Dean, Business/Public Service
Lenna.Young@gvltec.edu, (864) 250-8204, Barton Campus, Building 103, Room 104

Date

This syllabus will remain in effect until revised or reviewed no later than August 2011.