GREENVILLE TECHNICAL COLLEGE

Business and Technology Division
Computer Technology
Course Syllabus
LAN Directory Services IST 258

Credit/Contact Hours:
3.0

Prerequisite:
IST 257

Computer Technology students must obtain a minimum grade of "C" in all CPT and IST courses.

Co-requisite:
None

Course Description:
Click here to enter text.Purpose of Course:

This course provides the knowledge and concepts required to understand and implement Voice over IP (VoIP) telephony and what components are necessary in these environments.

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.

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Required Texts:
1. MCSA Guide to Installing and Configuring Microsoft Windows Server 2012/R2; Greg Tomsho
   Cengage ISBN 13:9781285868653; ISBN 10: 128586865x

2. MCTS Guide to Microsoft Windows Server 2008 Active Directory Configuration; Greg Tomsho:
   Course Technology/Thomson Learning; ISBN 13:978-1-423-90235-5;
   ISBN 10:1-423-90235-1

3. 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.

1.

Additional Materials:
Special Note to Online Students: Please refer the Syllabus Attachment 1 to review the Tentative Course Schedule. The schedule outlines the chapters that will be reviewed, when tests will be given and when assignment and labs will be due.

Course Outcomes:
Upon completion of the course, the student will be able to successfully **complete 70 %** of the following tasks:

1. Identify Windows Server 2008 Editions, manage server roles, implement directory services and troubleshoot performance issues.

2. Implement and administer forests, trees, group policy, user accounts, groups, printers, shared folders and file permissions.

3. Install and Configure Windows Server 2012. Configure TCP/IP, DNS and DHCP on a 2012 Server.

4. Install the Windows Server 2008 operating system and configure domain controllers, DNS servers, and Group Policy.

The objectives of the IST 258 course are intended to meet the Computer Technology program level student learning outcomes.

Program Student Learning Outcomes:
Upon successful completion of the Computer Technology Degree students will be able to:

1. Install computer and network hardware.

2. Install computer operating systems and application software.

3. Design, create and test computer programming solutions.

4. Demonstrate the ability to take initiative, assume responsibility, and work under pressure with minimum supervision by successfully completing "hands-on" computer assignments.

5. Analyze, troubleshoot, and correct computer related technical problems.

Revised June 2013

Greenville Technical College Core Competencies:

Communication Core Competency: Students will demonstrate effective written and oral communication skills to convey information, ideas, or opinions.
- Written Communication: Students will demonstrate effective written communication skills to convey information, ideas, or opinions.
- Oral Communication: Students will demonstrate effective oral communication skills to convey information, ideas, or opinions.

Critical Thinking Core Competency: Students will demonstrate effective reasoning, problem solving, or quantitative skills to develop an opinion or conclusion.

- Critical Reasoning: Students will employ inquiry, analysis, and synthesis of information to formulate and/or evaluate an opinion or conclusion.
- Problem Reasoning: Students will design and formulate a strategy to answer a question or achieve a desired goal.
- Quantitative Reasoning: Students will be able to analyze numerical information or observable facts resulting in informed conclusions.

Information Literacy Core Competency: Students will be able to locate, evaluate, and use information effectively from diverse sources.

Professionalism Core Competency: Students will demonstrate conduct and etiquette appropriate to the community and chosen career.

- Professionalism: Students will display professional conduct and work habits.
- Teamwork: Students will collaborate with others to accomplish a shared goal.

Units:

- Installing Windows Server Operating Systems
- Active Directory Design and Security Concepts
- Active Directory Account Management
- Active Directory File/Folder Sharing and Permissions
- Security Services
- Configuring Group Policy in Active Directory
- Configuring TCP/IP
- Configuring DNS
- Configuring Dynamic Host Configuration Protocol
- Additional Active Directory Server Roles
- Server Management and Monitoring

The instructor reserves the right to modify the Plan of Instruction by changing the sequence of text material or testing content.

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Grading Policy

Grades will be calculated as follows:

Major Tests	30 percent
Assignments and Quizzes	20 percent
Labs	30 percent
Final Exam	20 percent

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

Final letter grades will be issued as follows:

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

<h1 style="text-align:center">GREENVILLE TECHNICAL COLLEGE</h1>

Course Policies:

<h2 style="text-align:center">Disabilities Information</h2>

Students with disabilities, including those who were served in Special Education (resource or tutorial), should contact Student Disability Services (SDS) to discuss their need for services and accommodations. The main SDS office is located on the Barton Campus in the Student Center Building 105, office 113. Staff can be reached by phone at 864 250-8202 or via email to DisabilityServices@gvltec.edu . Appointments are available at all satellite campus locations. Please check the GTC website for more information concerning Student Disability Services: http://gvltec.edu/disability-services/

Efforts have been made to ensure all materials presented in an electronic format are accessible for students with disabilities and the college is committed to this obligation. However, if you experience any difficulty accessing these materials please notify your instructor immediately so a solution can be provided. You may also contact Student Disability Services directly at 864-250-8202 or by email at DisabilityServices@gvltec.edu.

Students who need a PDF reader for accessibility of course documents presented in PDF format may download a free reader at https://acrobat.adobe.com/us/en/products/pdf-reader.htm

Starfish

We care about your success! Greenville Technical College is proud to offer Starfish, a software tool designed to promote student success through coordination and communication between students, instructors and support staff.

When you set up your profile in Starfish, you can connect with services, faculty and staff at Greenville Technical College. The link to Starfish is located in Blackboard. Throughout the term, you may receive emails regarding your attendance, course grades or academic performance.

To benefit from this software, it is important that you check your Greenville Technical College Gmail regularly and read the Starfish alerts. If your academic performance begins to drop, you may also be contacted directly by a Success Coach or the Student Success Center.

Start, Stay, Succeed!