

CIS 278 Directory Services Administration

I. CIS 278 Directory Services Administration – 3 Semester Hours

II. Course Description

This course provides a study of planning, implementing, and maintaining a network directory service. Topics included in this course are planning and implementing network directory organizational and administrative structures. Students gain hands-on experience using a directory service to manage user, group, and computer accounts, shared folders, network resources, and the user environment.

III. Prerequisite

CIS 276 or equivalent experience

IV. Textbook

Textbook: 70-640: Windows Server 2008 Active Directory Configuration with Virtual Lab, Package

Publisher: Microsoft Official Academic Press

V. Course Objectives

1. Explain the network directory organization.
2. Manage accounts within a network directory.
3. Manage network directory security.

VI. Course Outline of Topics

1. Explain the network directory organization.
 - a. Directory components
 - i. Logical structures
 - ii. Physical structures
 - b. Logical directory infrastructure
 - i. Planning and implementing an OU hierarchy
 - ii. Planning and implementing security groups for directory administration
 - c. Physical directory infrastructure
 - i. Planning server locations
 - ii. Planning and implementing server roles
2. Manage accounts within a network directory.
 - a. Management tools
 - i. Management consoles
 - ii. Utilities
 - b. Creating and managing accounts
 - i. Users
 - ii. Groups
 - iii. Computers
 - iv. Organizational units
3. Manage network directory security.
 - a. Directory security
 - i. Account security
 - ii. Administrative security
 - iii. Backing up and restoring the directory
 - b. Security policies

- i. Security policies overview
- ii. Configuring security policies
 1. Account policies
 2. User environment policies
 3. Computer environment policies

VII. Evaluation and Assessment

Evaluation and assessment will be determined by the instructor and specified on the instructor's class syllabus. Grades will be based upon following scale: A = 90 – 100%, B = 80 – 89%, C = 70 – 79%, D = 60 – 69%, and F = below 60%.

VIII. Attendance

Students are expected to attend all classes for which they are registered. Students who are unable to attend class regularly, regardless of the reason or circumstance, should withdraw from that class before poor attendance interferes with the student's ability to achieve the objectives required in the course. Withdrawal from class can affect eligibility for federal financial aid.

IX. Statement on Discrimination/Harassment

The College and the Alabama State Board of Education are committed to providing both employment and educational environments free of harassment or discrimination related to an individual's race, color, gender, religion, national origin, age, or disability. Such harassment is a violation of State Board of Education policy. Any practice or behavior that constitutes harassment or discrimination will not be tolerated.

X. Americans with Disabilities

The Rehabilitation Act of 1973 (Section 504) and the Americans with Disabilities Act of 1990 state that qualified students with disabilities who meet the essential functions and academic requirements are entitled to reasonable accommodations. It is the student's responsibility to provide appropriate disability documentation to the College. The ADA Accommodations Office is in FSC 305 (205-856-7731).