COURSE INFORMATION FORM

DISCIPLINE  Computer Science Information Systems
COURSE TITLE  Windows Server and Active Directory Fundamentals

CR.HR  3  LECT HR.  2  LAB HR.  2  CLIN/INTERN HR.  CLOCK HR. 

CATALOG DESCRIPTION
Fundamental skills necessary to effectively manage, monitor, and maintain a Microsoft network including installation of Windows Server, configuration of Active Directory, management of user accounts, file shares, group policies, and network printing.

PREREQUISITES
CSIS 112 or CSIS 161 with a grade of C or better, and
CSIS 151 or CSIS 152 with a grade of C or better

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:

1. Demonstrate ability to successfully install and securely configure the Windows Server OS, including managing user accounts, configuring authentication policies, and configuring audit capabilities.
3. Install and configure Windows Active Directory.
4. Configure and manage group policies.
5. Manage and secure file shares.
6. Manage and secure network printing.
8. Demonstrate scripting fundamentals by writing simple PowerShell scripts for system administration and automation.

GENERAL EDUCATION OUTCOMES (ESO)
Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes  ESO
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

1. Use industry specific software and/or apply troubleshooting skills to solve problems
2. Create and defend solutions to real life business challenges

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes may be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Examination/Quizzes (1-8)
2. Class Discussion/Participation (1-8)
3. Exercises/Projects (1-8)
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Administration of a Microsoft Network
   A. Directory Services: concepts, design, and implementation
   B. User account management: create, delete, and modify
   C. Network printing: setup, performance optimization, troubleshooting
   D. Network management: create and manage group policies, monitor network performance, and manage network security

II. Troubleshooting
   A. Active Directory design and implementation
   B. Active Directory user accounts and permissions
   C. Active Directory network management

III. PowerShell Scripting Fundamentals
   A. System administration
   B. Task automation