ARIZONA WESTERN COLLEGE SYLLABUS

CIS 271 NETWORK ADMINISTRATION

Credit Hours: 3 Lec 2 Lab 2

PREREQUISITE: CIS 260
Recommended Course: CIS 270

COURSE DESCRIPTION
This course is designed to give the student the ability to have an in-depth understanding of client server networks and network administration using a client server network environment. Students will be exposed to a network operating system and network administration from a network administrator perspective. LAN and WAN configurations will be used to facilitate security, menu systems, message handling, login scripts, and printing environments. Application software installation, file server, and workstation management and administration concepts will be covered comprehensively.

1.   COURSE GOAL
        This course will begin to prepare students to become network administrators. Students will have the opportunity to install, configure and maintain network workstations and servers in a client server environment.

2.   OUTCOMES
        Upon satisfactory completion of this course, students will be able to:
        2.1   install, configure and manage client server network software and hardware.
        2.2   install, configure and manage multiple Servers on the client server network.
        2.3   install and configure client workstation operating systems.
        2.4   setup and manage domains on the client server network.
        2.5   setup network printing and file sharing on a client server network.
        2.6   secure, maintain, backup, monitor and troubleshoot client server networks.
        2.7   configure file systems, storage and advanced storage on a client server network.
        2.8   implement virtualization using virtualization software on a client server network.
        2.9   setup user and group accounts and policies on the client server network.

3.   METHODS OF INSTRUCTION
        3.1   lecture
        3.2   in-class demonstrations of client-server network concepts
        3.3   hands-on labs
        3.4   class discussions
        3.5   individual instruction

4.   LEARNING ACTIVITIES
        4.1   reading assignments
        4.2   lecture and class discussions
        4.3   in-class client server network concepts activities and labs using virtualization software
        4.4   current concept discussions/practice exercises related to client server networks

5.   EVALUATION
    5.1   assigned projects and labs
    5.2   final project
    5.3   written assignments
    5.4   exams

6.   STUDENT RESPONSIBILITIES
    6.1   Under AWC Policy, students are expected to attend every session of class in which they are enrolled.
    6.2   If a student is unable to attend the course or must drop the course for any reason, it will be the responsibility of the student to withdraw from the course. Students who are not attending as of the 45th day of the course may be withdrawn by the instructor. If the student does not withdraw from the course and fails to complete the requirements of the course, the student will receive a failing grade.
    6.3   Americans with Disabilities Act Accommodations: Arizona Western College provides academic accommodations to students with disabilities through AccessABILITY Resource Services (ARS). ARS provides reasonable and appropriate accommodations to students who have documented disabilities. It is the responsibility of the student to make the ARS Coordinator aware of the need for accommodations in the classroom prior to the beginning of the semester. Students should follow up with their instructors once the semester begins. To make an appointment call the ARS front desk at (928) 344-7674 or ARS Coordinator at (928) 344-7629, in the College Community Center (3C) building, next to Advising.
    6.4   Academic Integrity: Any student participating in acts of academic dishonesty—including, but not limited to, copying the work of other students, using unauthorized "crib notes", plagiarism, stealing tests, or forging an instructor's signature—will be subject to the procedures and consequences outlined in AWC's Student Code of Conduct.
    6.5   Texts and Notebooks: Students are required to obtain the class materials for the course.
    6.6   Arizona Western College students are expected to attend every class session in which they are enrolled. To comply with Federal Financial Aid regulations (34 CFR 668.21), Arizona Western College (AWC) has established an Attendance Verification process for "No Show" reporting during the first 10 days of each semester.

Students who have enrolled but have never attended class may be issued a "No Show" (NS) grade by the professor or instructor and receive a final grade of "NS" on their official academic record. An NS grade may result in a student losing their federal financial aid.

For online classes, *student attendance in an online class is defined as the following* (FSA Handbook, 2012, 5-90):
- Submitting an academic assignment
- Taking an exam, an interactive tutorial or computer-assisted instruction
- Attending a study group that is assigned by the school
- Participating in an online discussion about academic matters
- Initiating contact with a faculty member to ask a question about the academic subject studied in the course