OAKTON COMMUNITY COLLEGE
GENERIC COURSE SYLLABUS

I.

COURSE PREFIX	COURSE NUMBER	COURSE NAME	CREDIT	LECTURE	LAB
CNS (Formerly LAN 120)	120	Microsoft Planning, Implementing and Maintaining Windows Active Directory	3	3	1

II. PREREQUISITE:

CNS 117 (Formerly 117) or LAN 172 or consent of instructor, coordinator or program chair.

III. COURSE (CATALOG) DESCRIPTION:

This course provides students with the knowledge and skills to successfully plan, implement, and troubleshoot a Microsoft Windows Server Active Directory service infrastructure. This course covers the most recent release of Windows. This course is also appropriate for individuals who currently supporting a competitive platform, and who want to enhance their skills using Windows Server Active Directory. This is the sixth course in the Microsoft Certified Systems Engineer (MCSE), Windows Server curriculum.

IV. LEARNING OBJECTIVES:

Upon completion of this course the student will be able to:

1. Describe the logical and physical components of Active Directory.
2. Create and configure a forest and domain structure by using an Active Directory infrastructure design.
3. Plan and implement an organizational unit structure.
4. Plan and implement Active Directory user, group, and computer accounts.
5. Plan and implement a Group Policy strategy to centrally manage users and computers in an enterprise.
6. Deploy, manage, and troubleshoot software that is deployed using Group Policy.
7. Implement sites to manage and monitor Active Directory replication.
8. Plan and implement the placement of domain controllers, global catalog servers, and DNS servers that are integrated with Active Directory.
9. Plan and manage operations masters.
10. Back up, restore, and maintain Active Directory.
11. Plan and implement an Active Directory infrastructure that is based on a directory service design that an enterprise architect provides.

V. ACADEMIC INTEGRITY:

Students and employees at Oakton Community College are required to demonstrate academic integrity and follow Oakton's Code of Academic Conduct. This code prohibits:

- cheating
- plagiarism (turning in work not written by you, or lacking proper citation)
- falsification and fabrication (lying or distorting the truth)
- helping others to cheat
- unauthorized changes on official documents

- pretending to be someone else or having someone else pretend to be you
- making or accepting bribes, special favors, or threats, and
- any other behavior that violates academic integrity.

There are serious consequences to violations of the academic integrity policy. Oakton's policies and procedures provide students a fair hearing if a complaint is made against you. If you are found to have violated the policy, the minimum penalty is failure on the assignment and, a disciplinary record will be established and kept on file in the office of the Vice President for Student Affairs for a period of 3 years.

Details of the Code of Academic Conduct can be found in the Student Handbook.

VI. OUTLINE OF TOPICS:

A. Introduction to Active Directory Infrastructure
B. Implementing an Active Directory Forest and Domain Structure
C. Implementing an Organizational Unit Structure
D. Implementing User, Group, and Computer Accounts
E. Implementing Group Policy
F. Deploying and Managing Software by Using Group Policy
G. Implementing Sites to Manage Active Directory Replication
H. Implementing the Placement of Domain Controllers
I. Managing Operations Masters
J. Maintaining Active Directory Availability
K. Planning and Implementing an Active Directory Infrastructure

VII. METHODS OF INSTRUCTION:

Methods include lectures, class exercises and class discussion, hands-on lab exercises.

VIII. COURSE PRACTICES REQUIRED:

- Read course materials – textbook and current journals.
- Attend and participate in class lecture and lab.
- Complete required assignments, exercises, quizzes, and exams.
- Complete LAN projects.

IX. INSTRUCTIONAL MATERIALS:

- Textbook and Lab book: Microsoft Official Curriculum for Windows
- Current Self-Test Software
- Software manuals

X. METHODS OF EVALUATING STUDENT PROGRESS:

Quizzes, examinations, completion of lab assignments, exercises; and several Local Area Networks (LAN) projects.

XI. OTHER COURSE INFORMATION:

If you have a documented learning, psychological, or physical disability you may be entitled to reasonable academic accommodations or services. To request accommodations or services, contact the ASSIST office in the Learning Center. All students are expected to fulfill essential course requirements. The College will not waive any essential skill or requirement of a course or degree program.