

**OAKTON COMMUNITY COLLEGE
GENERIC COURSE SYLLABUS**

I.	<u>COURSE PREFIX</u>	<u>COURSE NUMBER</u>	<u>COURSE NAME</u>	<u>CREDIT</u>	<u>LECTURE</u>	<u>LAB</u>
	CNS	132	NetWare Design & Implementation	2	2	1
	(Formerly LAN 162)					

II. PREREQUISITE:

CNS 130 (Formerly LAN 160); or consent of instructor, coordinator or program chair

III. COURSE (CATALOG) DESCRIPTION:

This course teaches network administrators the skills needed to create an NDS design and implementation strategy. Students will complete design strategy and implementation using templates that they can re-use to create a design for their workplaces. Students will then use these strategies and schedules to complete a NetWare implementation in a hands-on environment.

IV. LEARNING OBJECTIVES:

When you complete this course, you will be able to:

1. Identify critical factors and expectations for designing a NetWare network.
2. Document current network configurations.
3. Determine pre-optimization and clean-up strategies for implementation.
4. Determine the Directory tree structure and object placement.
5. Create a time synchronization strategy.
6. Determine a strategy for login scripts, groups, and security needs.
7. Create an implementation strategy.
8. Using schedules and plans, implement a NetWare network.

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:

1. Preparing for NDS Design
 - a. Network success
 - b. Roles needed to complete design
 - c. Design cycle tasks and functions
2. Designing an NDS tree
 - a. Naming standards
 - b. Upper and lower layer issues
 - c. Final design
3. Partition and replica
 - a. Definition
 - b. Strategy
4. Planning a time synchronization strategy
 - a. Explanation
 - b. Communication across the network
 - c. Strategy
5. Documents
 - a. Users' accessibility needs analysis
 - b. Accessibility guidelines
 - c. Administrative strategies
6. Implementing an NDS design
 - a. Merge trees
 - b. Create and manage partitions and replicas
 - c. Modify tree levels
 - d. Implement a user environment plan

VII. METHODS OF INSTRUCTION:

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

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: NetWare 5.0 CNA/CNE Administration & Design Study Guide,
Written by Moncur, Published by Sybex
Current journals and web sites
Software manuals

X. METHODS OF EVALUATING STUDENT PROGRESS:

Quizzes, examinations, completion of lab assignments, exercises and several 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.