

**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	134	Novell Advanced Administration	4	4	0
	(Formerly LAN 260)					

II. PREREQUISITE:

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

III. COURSE (CATALOG) DESCRIPTION:

As a continuation of CNS 130 (Formerly LAN160), this course provides hands-on instruction in advanced topics related to the configuration and administration of a local area network (LAN) using the current version of the Novell NetWare operating system software. Topics include upgrading versions and services, installation, managing the directory, network backup, internet utilities, server management, and remote access.

IV. LEARNING OBJECTIVES:

Upon completion of this course the student will:

1. Understand and upgrade workstation software from the server console.
2. Understand and upgrade printing.
3. Understand and execute NetWare installations.
4. Understand and manage internet access and services.
5. Understand and execute advanced server management.
6. Understand and manage backup for NDS and the file system.
7. Understand and provide TCP/IP access for workstations.
8. Understand remote and mobile access.

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. Install and upgrade
 - 1. NetWare 3.x to NetWare 5
 - 2. Custom Install
 - 3. Queue based printing
- B. Server console management
 - 1. Enhancements with NLM modules
 - 2. Server configuration files
 - 3. GUI and Java applications
 - 4. Remote or local server consoles
 - 5. Security
- C. Queue-based printing
 - 1. Components
 - 2. Management
 - a. Object creation
 - b. Quick Setup
 - 3. Forms and Print Jobs
- D. File system components and backup
- E. Advanced management
 - 1. Optimization – Memory, Disk and Performance
 - 2. Domain Name Services (DNS)
 - 3. Dynamic Host Configuration Protocol (DHCP)
 - 4. Web and FTP Services
 - 5. Rights and Security
- F. Maintenance
 - 1. Partitioning
 - 2. Replicating
 - 3. Troubleshooting
- G. Remote access and integrating other Novell services

VII. METHODS OF INSTRUCTION:

Methods include lectures, class exercises and class discussion, as well as “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 and Design Study Guide;
Written by Moncur; Published by Sybex
Current journals
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.

This course will be an elective for the microcomputer A.A.S. degree (end user track), it will also be an option for the LAN certificate.