

**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 (Formerly LAN 166)	190	Microsoft Windows Command Line Administration	2	2	1

II. PREREQUISITE

CNS 111 (Formerly LAN 111), LAN 171, knowledge of the fundamentals of current networking technology, or consent of instructor, coordinator or program chair

III. COURSE (CATALOG) DESCRIPTION

This course provides students with the knowledge and skills necessary to administer Microsoft Windows Network in a variety of environments from the Command Line or Command Prompt. The course covers the Command Line support for the new DOS-like 32-bit language irrevocably linked to Windows Server that boasts a vast range of functions, commands, and application, using intermediate and advanced tools. This course covers the most recent release of Windows.

IV. LEARNING OBJECTIVES:

Upon completing this course, students will be able to:

1. The Continuing Importance of the Command Line
2. Customizing Command Window Settings
3. Printing from the Command Line
4. Creating, Saving and Running a Batch Program
5. Page File Optimization
6. Data Backup
7. Monitoring and Optimization
8. Managing Disks and Drives with the FSUTUL command
9. Compress and Encryption
10. Creating and Deleting User Accounts
11. Modifying Default Account Behavior
12. Maintaining a Network Using Commands
13. Services Essential for Networking
14. Viewing Workstation Component with the NET Session and NET FILE
15. Remote System Information by Changing Configurations
16. Installing Active Directory using DCPROMO Command
17. Security Configuration and Analysis using the SECEDIT command

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. Introduction to the Command Line
2. Managing Files
3. Batch and Automation
4. System Administration
5. Disk and Data Management
6. User Administration and Data Security
7. Introduction to Networking
8. Networking a Server
9. Manipulating Network Resources
10. Active Directory for Windows Domain
11. Securing Active Directory
12. Name Resolution Using DNS, WINS and DHCP

VII. METHODS OF INSTRUCTION:

The course will include Lecture and Lab.

VIII. COURSE PRACTICES REQUIRED:

- Read course materials.
- Attend and participate in class lecture and lab.
- Complete required assignments, exercises, quizzes, and exams.

IX. INSTRUCTIONAL MATERIAL

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

X. METHODS OF EVALUATING STUDENT PROGRESS:

Quizzes and examinations. Completion of lab assignments and exercises.

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.