

**JAMESTOWN COMMUNITY COLLEGE**  
**State University of New York**

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**INSTITUTIONAL COURSE SYLLABUS**

**Course Title:** Network Administration

**Course Abbreviation and Number:** CSC 2470

**Credit Hours:** 3

**Course Type:** Lecture

**Course Description:** This course introduces the fundamentals of local area network administration. After a brief review of computer network hardware, students are introduced to and examine leading network operating systems. Students will gain familiarity and experience in the installation, configuration, and management of network operating systems through a combination of lecture and hands-on lab.

**Prerequisite/Corequisite:** CSC 2510.

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**Student Learning Outcomes:**

Students who demonstrate understanding can:

1. Install and configure a network operating system.
  2. Design and configure a Client/Server network.
  3. Add and remove user accounts and network shares.
  4. Design, develop and modify network directory services.
  5. Identify security issues and requirements.
  6. Add, configure, and remove network software components.
  7. Explain the basic concepts of computer network administration.
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**Topics Covered:**

- Network Administration
  - Network Security
  - Network Design
  - Network Operating Systems (Windows Server and Linux)
    - Hardware selection criteria
    - Directory services
    - Installation
    - Administration utilities
    - File system planning
    - User/group management
  - Security management
  - Print management
  - Implementing
  - System monitoring
  - Server backup
  - System recovery
  - Differences between Network Operating Systems
  - Final Project
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**Information for Students**

- Ex Expectations of Students
    - [Civility Statement](#)
    - [Student Responsibility Statement](#)
    - [Academic Integrity Statement](#)
  - [Accessibility Services](#)

Students who require accommodations to complete the requirements and expectations of this course because of a disability must make their accommodation requests to the Accessibility Services Coordinator.
  - [Get Help: JCC & Community Resources](#)
  - [Emergency Closing Procedures](#)
  - Course grade is determined by the instructor based on a combination of factors, including but not limited to, homework, quizzes, exams, projects, and participation. Final course grade can be translated into a grade point value according to the following:

A=4.0	B+=3.5	B=3	C+=2.5	C=2	D+=1.5	D=1	F=0
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  - Veterans and active duty military personnel with special circumstances (e.g., upcoming deployments, drill requirements, VA appointments) are welcome and encouraged to communicate these to the instructor.
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**Effective Date:** Fall 2021