



CIS 1401

Division: Career and Technical Education

Department: Computer Information Systems

Course: CIS 1401

Title: Network Administration - Client/Server

Catalog Description:

In this course students acquire the knowledge and skills necessary to install, configure, customize, optimize, network, and troubleshoot client and server operating systems in a vendor-neutral environment.

General Education Requirements: N/A

Semesters Offered: TBA

Credit/Time Requirement: Credit: 3; Lecture: 3; Lab: 0

Clock/Hour Requirements: 45

Offered for Non-Credit: No

Prerequisites: CIS1140

Justification:

Networks and intranetworks are becoming an integral part of our country's industrial infrastructure. This course prepares students for job readiness at graduation and/or transfer to some advanced training institutions and has been recommended by our program advisory committee.

Student Learning Outcomes:

Upon successful completion of this course, students will be able to:

- Install and configure server operating systems
- Install and configure client operating systems
- Troubleshoot failed installations
- Monitor, manage, and troubleshoot access to files and folders
- Connect and manage local and network print devices
- Configure and manage user profiles
- Implement, manage, and troubleshoot disk devices
- Implement, manage, and troubleshoot display devices
- Implement, manage, and troubleshoot mobile computer hardware
- Implement, manage, and troubleshoot accessibility services
- Implement, configure, manage, and troubleshoot local user accounts
- Implement, configure, manage, and troubleshoot network security.

Content:

Course objectives will be accomplished by providing students with learning experiences in the following subject areas:

- Install and configure server operating systems
- Install and configure client operating systems
- Troubleshoot failed installations
- Monitor, manage, and troubleshoot access to files and folders
- Connect and manage local and network print devices
- Configure and manage user profiles
- Implement, manage, and troubleshoot disk devices
- Implement, manage, and troubleshoot display devices
- Implement, manage, and troubleshoot mobile computer hardware
- Implement, manage, and troubleshoot accessibility services
- Implement, configure, manage, and troubleshoot local user accounts
- Implement, configure, manage, and troubleshoot network security.

General Education Outcomes:

Key Performance Indicators:

In class:

Student grades will be based on a combination of lab exercises (5-25%), quizzes (5-25%), tests (10-50%), and a final exam or project (20-50%).

Following class:

Post evaluation will be measured by subsequent classes where students are expected to be familiar with the client/server networks.

Representative Text and/or Supplies:

Text to be determined by the Instructor. Supplemental materials may be required/suggested.

Optimum Class Size: 16

Maximum Class Size: 16

Signatures:

I hereby submit this course syllabus:

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I hereby find this course consistent with the goals and resources of the Computer Information Systems Department:

Michael P. Medley, MBA, Assistant Professor, Chair

I hereby find this course consistent with the goals and resources of the Career and Technical Education Division:

Michael P. Medley, MBA, Assistant Professor, Dean

I have discussed the need for library resources related to this class with the person submitting the syllabus:

Lynn Anderson, MLIS, Technical Services Librarian (Main Campus)

Michelle Olsen, MLS, Campus Librarian (Richfield Campus)