Minnesota State University Moorhead

CSIS 341: System and Network Administration

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites:
This course requires the following prerequisite
CSIS 349 - Networks and Data Communications

Corequisites: None

MnTC Goals: None

This course is designed to provide students with an understanding of the activities and responsibilities of an administrator of an enterprise computer system and/or computer network. It focuses on the installation, configuration, and maintenance of system software, the management of users and resources and the deployment of network services. Students will investigate topics through research, discussion, and hands on practice.

B. COURSE EFFECTIVE DATES: 08/25/2008 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Operating system installation and configuration.
2. Managing storage.
3. User and group policies.
4. Networking and network management.
5. LAN design and deployment.
6. Services.
7. Special Topics.

D. LEARNING OUTCOMES (General)

1. Install and configure Windows and Linux host operating systems.
2. Perform Administrative Duties including user management, resource management, system activity logging, and system update / upgrade and maintenance.
3. Plan and implement a LAN strategy for a small/medium size enterprise.
4. Install and configure one or more typical network services.
5. Deploy and demonstrate the management of multiple server platforms in a virtualized environment.
6. Describe at least 3 alternative storage implementations and list the strengths/weaknesses of each.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted