

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: ITN116

Credits: 4

Course Title: Windows 2003 Network Infrastructure Implementation, Management, and Maintenance (NI-IMM)

Course Description

Provides instruction on how to implement, manage, and maintain a Microsoft Windows Server 2003 network infrastructure. Prerequisite: ITN 115 or school approval. Lecture 4 hours per week.

General Course Purpose

This course provides advanced Windows 2003/2008 Network Infrastructure Administration.

Course Prerequisites/Corequisites

ITN 115 or school approval

Course Objectives

Upon completing the course, the student will be able to:

- a. install, configure, manage, monitor, and troubleshoot DNS.
- b. install, configure, manage, monitor, and troubleshoot DHCP.
- c. install, configure, manage, monitor, and troubleshoot Remote Access.
- d. install, configure, manage, monitor, and troubleshoot Network Protocols.
- e. install, configure, manage, monitor, and troubleshoot WINS.
- f. install, configure, manage, monitor, and troubleshoot IP Routing.
- g. install, configure, and troubleshoot Network Address Translation.
- h. install, configure, manage, monitor, and troubleshoot Certificate Services.

Major Topics to be Included

- a. Domain Name Service (DNS)
- b. Dynamic Host Configuration Protocol (DHCP)
- c. Remote Access
- d. Network Protocols
- e. WINS
- f. IP Routing
- g. Network Address Translation

Effective Date of Course Content Summary: 9/25/2008