

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

Course Prefix and Number: ITN 213

Credits: 4

Course Title: Information Storage and Management

Course Description:

Focuses on advanced storage systems, protocol, and architectures including Storage Area Networks (SAN), Network Attached Storage (NAS), Fibre Channel Networks, Internet Protocol SANs (IPSAN), iSCSI, and Content Addressable Storage (CAS). Prerequisite: ITN 111. Lecture 4 hours per week.

General Course Purpose:

Prepares students to configure, manage, monitor, and backup and restore data and systems in a virtual infrastructure. Can lead to industry certification.

Course Prerequisites/Co-requisites:

ITN 111 Server Administration (Windows 2008)

Course Objectives:

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

1. Manage virtual storage environment.
2. Install and configure Network Attached Storage.
3. Install and configure Distributed File System.
4. Install and configure Network File System.
5. Configure permissions.
6. Backup and recovery of data.
7. Monitor the storage infrastructure.

Major Topics to be Included:

1. Information Storage and Management
2. Data Protection
3. Storage Networking Technologies
4. Storage Virtualization
5. Backup and Recovery
6. Storage Security
7. Managing the Storage Infrastructure

Effective Date of Course Content Summary: August 2012