

**Course number and name:** 420CIS-3 Information Technology Networks Administration

**Credits and contact hours:** 3 crs.; 5hrs (2hrs theory, 2 hrs Lab and 1 hr. Tutorial)

**Instructor's Name:** Ahmed Monjurul Hasan

**Text book, Title, Author, and Year:** Zacker, Craig. Microsoft Official Academic Course: Managing and Maintaining a Microsoft Windows Server 2003 Environment. Redmond, Microsoft Press, 2004 [ISBN 0-07-294490-0][REF MCSE Exam 70-290]

**a. Supplemental Materials:**

- Corbin, Wendy. Microsoft Official Academic Course: Planning, Implementing and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure. Redmond, Microsoft Press, 2004 [ISBN 0-07-294490-0][REF MCSE Exam 70-294]
- Simpson, Ted and Simpson, Micheal. Guide to NetWare 6.0/6.5 Administration [Enhanced Edition]. Cambridge, Course Technology - ITP, 2004 [ISBN 0-619-21543-7]

**Specific Course Information**

- a. **Catalog Description:** Introduction, Overview of Network operating system, Setting up a Network Server, Setting up Network Clients, Network Design Issues, Network Client Administration, Workgroup and Domain Concepts. System Administration Basics, Network Services, Monitoring and Logging of various Operating System Events, Security Applications and General System Events, Monitoring Wide Variety of System Objects, Diagnosing and Troubleshooting Hardware, System Configuration including Screen Display, Network Services, Protocols, Servers, Services and System devices, User and Group Management and Services used to manage User Access to Resources, Remote Administration, Management of Key Processes, Network Services Administration including e-mail, Internet, Web and FTP, Firewall Administration, Controlling Access to the Machines
- b. **Pre-requisites or Co-requisites:** 370CIS-3 Data Communication and Computer Networks
- c. **Required, Elective, or Selected elective:** Required

**Specific Goals for the Course**

- a. **Specific Outcomes of the Instruction:**
  - Understand the responsibilities of a network administrator.
  - Be familiar with a Network Operating System used by network servers
  - Be able to design and implement Microsoft Active Directory installation
  - Understand network security issues
  - Be able to perform user and group management
  - Be able to diagnosis and troubleshoot hardware
- b. **Students Outcomes Addressed by the Course:** a, b, e

**Brief List of Topics to be Covered**

- Introduction to Windows Server 2003
- Administering Microsoft Windows Server 2003
- User Accounts
- Group Accounts
- Computer Accounts
- Files and Folders
- Backup Data
- Printers
- Maintaining the operating system
- Monitoring Microsoft Windows Server 2003