COURSE DESCRIPTION

Prerequisites: DREA0093 (concurrent) or instructor approval.

Server fundamentals such as managing Windows Servers (including virtualization) and storage, along with monitoring and troubleshooting servers are included. It also covers such topics as essential naming, directory, and print services. Students also learn of popular Windows Network Services and Applications.

This course ITNW 1492 Windows Server Administration Fundamental, prepare students successful completions of Microsoft Technology Associate (MTA) Exam 98-365.

This is a 4 credit hour course (3 lec, 4 lab.)

WECM END-OF-COURSE OUTCOMES

Manage devices and device drivers, manage services, and use the control panel; storage technologies, redundant arrays of independent disks, and disk structure; performance how to use the event viewer; boot the system, business continuity, and troubleshooting methodology; learn about objects, groups, domains, trees, and forests, organizational units, directory services with active directory, and group policies; learn about NTFS, sharing drives and folders, printers, and enabling auditing; learn about web servers, remote access, remote administration, and server virtualization.

STUDENT LEARNING OUTCOMES

Upon successful completion of ITNW 1492 Windows Server Administration Fundamentals, students will be able to:

- Manage Devices and Device Drivers, Manage Services, and Use the Control Panel
- Storage Technologies, Redundant Arrays of Independent Disks, and Disk Structure
- Performance how to use the Event Viewer, Boot the System, Business Continuity, and Troubleshooting Methodology.
- Learn about NTFS, Sharing Drives and Folders, Printers, and Enabling Auditing
- Learn about Web Servers, Remote Access, Remote Administration, and Server Virtualization

COURSE MATERIALS

A student of this institution (El Centro College) is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

**Major Course Requirement**

Students will participate in **Course Discussion Forums** to collaborate with peers.

Students will review **Power Point Presentations** on each course lesson.

Students will complete **End of Lesson Question**: The Knowledge Assessment section provides a variety of multiple-choice, true-false, matching, and fill-in-the-blank questions.

Students will complete End-of-Lesson Exercises: Competency Assessment case scenarios, Proficiency Assessment case scenarios, and Workplace Ready exercises are projects that test students' ability to apply what they've learned in the lesson.

Students will complete **Lesson Tests**, which evaluate the students' knowledge in each of the topic areas.

In this online course, students will have access to additional content including Book Companion Web Site (www.wiley.com/college/microsoft), including any resources, exercise files, and Web links that will be used in conjunction with this course; Certification Information and Preparation Materials; Software and Tools Downloads.

**Subject Matter**

Topics covered in the course include:

- Understanding What a Server Does
- Installing Windows Server 2008 RS
- Knowledge Assessment 30
- Performing Initial Configuration
- Using the Control Panel
- Configuring IP Address Settings
- Managing Devices and Device Drivers
- Using Microsoft Management Console and Administrative Tools
- Installing Programs, Roles, and Features
- Managing Services
- Understanding the Registry
- Managing Server Core
- Knowledge Assessment
- Identifying Storage Technologies
- Looking at Network Attached Storage and Storage
- Understanding Disk Structure
- Using Disk Management Tools
- Knowledge Assessment
- Managing Information Technology
Introducing Troubleshooting Methodology
Booting the System
Understanding Performance
Introducing Business Continuity
Understanding Backups
Performing Server Repair
Knowledge Assessment
Naming Resolution
DHCP Services
Introducing Directory Services with Active Directory
Knowledge Assessment
Introducing NTFS
Sharing Drives and Folders
Looking at Printers
Enabling Auditing
Knowledge Assessment
Introducing the Web Server
Understanding Remote Access
Introducing Remote Administration
Understanding Server Virtualization
Knowledge Assessment

Disclaimer
The provisions contained in this syllabus do not constitute a contract between the student and El Centro College. These provisions may be changed at the discretion of the Coordinator/Instructor. When necessary, appropriate notice of such changes will be given to the student.

The instructor-of-record may provide additional information to enhance the course to meet the needs of the enrolled students, provided that the enhancements do not conflict with the official course syllabus.

Policies
Students should click on the links below and read all of these policies.

General institutional policies
Course-related institutional policies