COURSE DESCRIPTION

Prerequisites: ITMT 1473 or ITNW 1408 or instructor approval.

A course of the installation and initial implementation of core services in a Windows 2012 environment. This course focuses on real skills for real jobs and prepares students to prove mastery of core services such as Active Directory and networking services.

Topics include installing and configuring Windows Servers 2012, configuring roles and features of Windows Server 2012 operating system and various installation and configuration options used when deploying and configuring Windows Server 2012.

This course is designed to help prepare students for successful completions of Microsoft Certification Exam 70-410. Additional certification information is available at http://www.microsoft.com/learning

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

END OF COURSE OUTCOMES

Install and configure servers and local storage; configure server roles and features; configure virtual technology; deploy and configure core network services; install and administer Active Directory; and create and manage group policy.

STUDENT LEARNING OUTCOMES

Upon successful completion of ITMT 2471 Installing and Configuring Windows Server 2012 the student will be able to:

- Plan for a server installation, roles, upgrade
- Install and configure Server Core
- Managing Active Directory Domain Services objects
- Automating Active Directory Domain Services administration
- Implementing Networking Services
- Implementing Local Storage
- Implementing File and Print Services
- Implementing Group Policy
- Implementing Server Virtualization with Hyper-V
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 Comprehensive Lecture on each lesson topic.

Students will complete Knowledge Assessment related to concepts for each lesson topic.

Students will complete Lesson Test, which evaluate the students’ knowledge in each of the topic areas.

Students will complete comprehensive Online Lab Exercises on lecture technologies and concepts using a full-featured hosted online virtual environment.

In this online course, students will have access to additional content including Topical External Links, Certification Information and Preparation Materials, and Software and Tools Downloads, and additional study materials including PowerPoint Decks, and Key Terms Glossaries.

Subject Matter

Topics covered in the course include:

- Installing and Configuring Servers
- Configuring Local Storage
- Configuring File and Share Access
- Configuring Print and Document Services
- Configuring Servers for Remote Management
- Creating and Configuring Virtual Machine Settings and Storage
- Creating and Configuring Virtual Networks
- Configuring IPv4 and IPv6 Addressing
- Deploying and Configuring the DHCP and DNS Service
- Installing Domain Controllers
- Creating and Managing Active Directory Users and Computers
- Creating and Managing Active Directory Groups and Organizational Units
- Creating Group Policy Objects
- Configuring Security Policies
- Configuring Application Restriction Policies
- Configuring Windows Firewall
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