COURSE DESCRIPTION

Prerequisites: Basic networking course, networking experience or instructor approval.

Skills development in the management of client as desktop operating systems.

A study of the Windows 7 operating system; installation, configuration, and troubleshooting; file management; users accounts and permissions; security features; network connectivity; setup of external devices; optimization and customization; and deployment of application, with hands-on experience.

This course is intended for new-to-product support professionals who will be responsible for installing and configuring Windows 7 and for those who are on the Microsoft Certified Information Technology Professional (MCITP) Windows 2008, and/or Microsoft Certified Technology Specialist (MCTS) certification track.

Additional certification information is available at: http://www.microsoft.com/traincert

This course is designed to help prepare students for successful completion of Microsoft Certification Exam 70-680.

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

WECM END-OF-COURSE OUTCOME

Install and configure network clients; setup users, groups, policies, and profiles; configure hardware components and applications; setup and maintain a logon security and security for files and printers; configure and optimize clients in multiple environments.

STUDENT LEARNING OUTCOMES

Upon successful completion of ITNW 1408 Windows 7, students will be able to:

- Identify hardware requirements for Windows 7
- Perform a clean installation or upgrade to Windows 7
- Share files and folder, and configure folder permissions
- Troubleshoot Windows 7 configuration and boot issues
- Configure Windows 7 security
LAB INFORMATION

In this online class, students will work through the labs on their own home computers using Windows Virtual PC software. Prior to starting, a copy of Windows 7 will be provided for download from the college’s MSDN Academic Alliance website.

Students should have access to a computer that meets the minimum requirements to run Windows Virtual PC.

- 1 GHz 32-bit / 64-bit processor required
- 2GB memory or higher recommended
- 15 GB hard disk space per virtual Windows environment
- Host operating system: Windows 7 Home, Professional, or Ultimate (If using Vista or XP you may use Virtual PC 2007)

If students do not have adequate hardware, arrangements can be made to work on campus computers.

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 and Demo Videos on each course topic.

Students will complete Critical Thinking Case Study Exercises related to concepts and techniques for each lecture topic.

Students will complete Online Quiz Assessments, which evaluate the students’ knowledge in each of the topic areas.

Students will complete comprehensive Hands-On Lab Exercises on lecture technologies and concepts using a full-featured hosted online virtual environment. Students will complete Lab Review Questions to help verify understanding.

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:

- Introduction to Windows 7
- Installing Windows 7
- Working with Disks and Devices
- Connecting to a Network
- Sharing Resources
- Managing and Monitoring Windows 7 Performance
- Understanding Users and Groups
- Securing and Administering Windows 7

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](#)