# uO

# Course Ou

## Windows 7, Enterprise Desktop
## (Course & Lab)

28 Mar 2024

# Contents

# 1. Course Objective

Gain hands-on expertise in Microsoft 70-686 certification exam by 70-686 - Microsoft Windows 7, Enterprise Desktop Administrator course and performance-based labs. Performance based labs simulate real-world, hardware, software & command line interface environments and can be mapped to any text-book, course & training. Microsoft Windows 7, Enterprise Desktop Administrator course and performance-based labs cover all the objectives of Microsoft 70-686 certification exam and provide the ability to support Windows 7 computing environments on an Enterprise level and to support medium to large computing environments that use Windows 7.

# 2. Pre-Assessment

Pre-Assessment lets you identify the areas for improvement before you start your prep. It determines what students know about a topic before it is taught and identifies areas for improvement with question assessment before beginning the course.

# 3. Exercises

There is no limit to the number of times learners can attempt these. Exercises come with detailed remediation, which ensures that learners are confident on the topic before proceeding.

**342**

**EXERCISES**

# 4. Quizzes

Quizzes test your knowledge on the topics of the exam when you go through the course material. There is no limit to the number of times you can attempt it.

**149**

**QUIZZES**

## 5. ⚡ flashcards

Flashcards are effective memory-aiding tools that help you learn complex topics easily. The flashcard will help you in memorizing definitions, terminologies, key concepts, and more. There is no limit to the number of times learners can attempt these. Flashcards help master the key concepts.

**295**

**FLASHCARDS**

## 6. 📖 Glossary of terms

uCertify provides detailed explanations of concepts relevant to the course through Glossary. It contains a list of frequently used terminologies along with its detailed explanation. Glossary defines the key terms.

**148**

**GLOSSARY OF TERMS**

## 7. Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

## 8. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

## 9. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assessments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

## 10. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's finest products and services. Since 1986, thousands of products, services and solutions have been

recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 7 years:

- **2014**
    1. Best Postsecondary Learning Solution

- **2015**
    1. Best Education Solution
    2. Best Virtual Learning Solution
    3. Best Student Assessment Solution
    4. Best Postsecondary Learning Solution
    5. Best Career and Workforce Readiness Solution
    6. Best Instructional Solution in Other Curriculum Areas
    7. Best Corporate Learning/Workforce Development Solution

- **2016**
    1. Best Virtual Learning Solution
    2. Best Education Cloud-based Solution
    3. Best College and Career Readiness Solution
    4. Best Corporate / Workforce Learning Solution
    5. Best Postsecondary Learning Content Solution
    6. Best Postsecondary LMS or Learning Platform
    7. Best Learning Relationship Management Solution

- **2017**
    1. Best Overall Education Solution
    2. Best Student Assessment Solution
    3. Best Corporate/Workforce Learning Solution
    4. Best Higher Education LMS or Learning Platform

- **2018**
    1. Best Higher Education LMS or Learning Platform

2. Best Instructional Solution in Other Curriculum Areas

3. Best Learning Relationship Management Solution

- **2019**
    1. Best Virtual Learning Solution
    2. Best Content Authoring Development or Curation Solution
    3. Best Higher Education Learning Management Solution (LMS)

- **2020**
    1. Best College and Career Readiness Solution
    2. Best Cross-Curricular Solution
    3. Best Virtual Learning Solution

# 11. ⚙ Chapter & Lessons

uCertify brings these textbooks to life. It is full of interactive activities that keeps the learner engaged. uCertify brings all available learning resources for a topic in one place so that the learner can efficiently learn without going to multiple places. Challenge questions are also embedded in the chapters so learners can attempt those while they are learning about that particular topic. This helps them grasp the concepts better because they can go over it again right away which improves learning.

Learners can do Flashcards, Exercises, Quizzes and Labs related to each chapter. At the end of every lesson, uCertify courses guide the learners on the path they should follow.

## Syllabus

### Chapter 1: Planning for the Installation of Windows 7

- Choosing a Windows 7 Edition

- Local Installation

- Designing User State Migration

- Virtualization Considerations

- Planning and Managing Client Licensing and Activation

- Summary

- Chapter Essentials

## Chapter 2: Automating the Deployment of Windows 7

- Understanding and Designing Images

- Choosing a Deployment Strategy

- Imaging with the Windows Automated Installation Kit

- Deploying Images with Windows Deployment Services

- Using the Microsoft Deployment Toolkit 2010

- Summary

- Chapter Essentials

## Chapter 3: Using the Command Prompt and PowerShell

- Using the Windows Command Prompt

- Using Windows PowerShell and the PowerShell ISE

- Summary

- Chapter Essentials

## Chapter 4: Managing the Life Cycle-Keeping Windows 7 Up to Date

- Keeping Windows Up to Date

- Choosing an Update Tool

- Using MBSA for Security Audits

- Using Windows Server Update Services

- Summary

- Chapter Essentials

## Chapter 5: Maintaining and Troubleshooting Windows 7

- Identifying and Resolving Performance Issues

- Using Windows RE

- Managing Hardware in Windows 7

- Troubleshooting Boot Issues

- Summary

- Chapter Essentials

## Chapter 6: Configuring and Troubleshooting Application Issues

- Installing and Configuring Software

- Designing a Delivery Strategy

- Designing a Deployment Strategy

- Identifying and Resolving Software Failure Issues

- Summary

- Chapter Essentials

## Chapter 7: Managing Windows 7 with Group Policy

- Group Policy and the GPMC

- Group Policy Settings

- Summary

- Chapter Essentials

## Chapter 8: Managing Security in Windows 7

- User Account Control

- Security Policies

- Designing BitLocker Support

- Windows Firewall

- Summary

- Chapter Essentials

## Chapter 9: Supporting Mobile Windows 7 Users

- Configuring and Troubleshooting Wireless Connectivity

- Troubleshooting Remote Access Issues

- Understanding DirectAccess

- Using BranchCache

- Summary

- Chapter Essentials

## Chapter 10: Administering Internet Explorer

- Managing Windows Internet Explorer Settings

- Understanding Advanced Settings

- Troubleshooting Internet Explorer Issues

- Summary

- Chapter Essentials

## Chapter 11: Appendix A

- Certification Objectives Map

# 12. Practice Test

## Here's what you get

| **20** | **6** | **50** |
|:---:|:---:|:---:|
| PRE-ASSESSMENTS QUESTIONS | FULL LENGTH TESTS | POST-ASSESSMENTS QUESTIONS |

## Features

Each question comes with detailed remediation explaining not only why an answer option is correct but also why it is incorrect.

### Unlimited Practice

Each test can be taken unlimited number of times until the learner feels they are prepared. Learner can review the test and read detailed remediation. Detailed test history is also available.

Each test set comes with learn, test and review modes. In learn mode, learners will attempt a question and will get immediate feedback and complete remediation as they move on to the next question. In test mode, learners can take a timed test simulating the actual exam conditions. In review mode, learners can read through one item at a time without attempting it.

# 13. Performance Based Labs

uCertify's performance-based labs are simulators that provides virtual environment. Labs deliver hands on experience with minimal risk and thus replace expensive physical labs. uCertify Labs are cloud-based, device-enabled and can be easily integrated with an LMS. Features of uCertify labs:

- Provide hands-on experience in a safe, online environment
- Labs simulate real world, hardware, software & CLI environment
- Flexible and inexpensive alternative to physical Labs
- Comes with well-organized component library for every task
- Highly interactive - learn by doing
- Explanations and remediation available
- Videos on how to perform

## Lab Tasks

- Installing Windows 7 using VMware
- Installing Windows AIK
- Creating a batch file
- Installing Windows Virtual PC
- Installing Windows XP Mode
- Publishing applications from Windows XP Mode
- Creating a virtual PC machine
- Installing integration components on a virtual PC
- Installing Volume Activation Management Toolkit
- Exploring an image with DISM
- Dismounting an image
- Enabling and disabling Windows 7 features
- Mounting images
- Creating a bootable USB flash drive
- Using Windows System Image Manager
- Creating unattended answer files
- Installing the WDS role
- Configuring the WDS role

- Creating Boot Image to the WDS
- Creating Capture Image to the WDS
- Creating Discover Image to the WDS
- Creating an image group to WDS
- Creating a deployment share
- Creating a task sequence
- Updating the deployment share
- Installing the MAP Toolkit
- Modifying the default commands
- Configuring Configuration Manager Integration
- Creating a domain user in Windows 7
- Populating a deployment share with images
- Adding Windows 7 image files to the deployment share
- Verifying installed updates manually
- Examining the Kerberos tickets
- Observing the state of the secure channel
- Examining the path through the Internet routers to the destination
- Creating HTML reports using gpresult.exe
- Verifying policy settings
- Scheduling a batch file
- Using the ping command
- Modifying the path system variable
- Terminating an application
- Creating and running a PowerShell script
- Modifying a script using a for-each loop
- Documenting cmdlets in a text file
- Documenting alias in a text file
- Documenting functions in a text file
- Documenting PowerShell commands in a text file
- Using the switch statement
- Viewing system information
- Installing MBSA
- Running the MBSA tool
- Installing Report Viewer
- Installing WSUS

- Adding the Web Server (IIS) role
- Using WSUS server for updates
- Using the Windows Memory Diagnostic tool
- Applying a restore point
- Accessing WinRE on boot and performing a startup repair
- Performing a system restore from WinRE
- Viewing the virtual memory settings
- Disabling the Games feature
- Using Problem Steps Recorder
- Checking and uninstalling an application
- Using the program compatibility wizard
- Installing ACT 5.6
- Configuring ACT 5.6
- Creating a GPO
- Installing Remote Server Administration Tools
- Using group policy results
- Configuring BitLocker To GO
- Configuring file and folder auditing
- Removing game links from Start Menu
- Configuring standard audit policies
- Configuring software installation policies
- Configuring Windows update policy
- Creating a new rule in the AppLocker policy
- Executing whoami to view privileges
- Modifying account policies
- Adding a group to Security Filtering
- Creating an inbound rule
- Running network diagnostics on a wireless connector
- Creating a network profile
- Creating a remote access dial-up connection
- Creating a remote access VPN connection
- Adding a certificate to a Windows 7 client
- Installing Internet Explorer Administration Kit
- Viewing and clearing cache
- Viewing and resetting IE advanced settings

- Managing Internet Explorer configuration
- Exploring Internet Explorer Administration Kit
- Managing add-ons

## Here's what you get

| 91 | 91 | 01:44 |
|---|---|---|
| PERFORMANCE BASED LAB | VIDEO TUTORIALS | HOURS |

## 14. Post-Assessment

After completion of the uCertify course Post-Assessments are given to students and often used in conjunction with a Pre-Assessment to measure their achievement and the effectiveness of the exam.

## GET IN TOUCH:

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