

Revised: Fall 2016

# ITN 110

## Client Operating System (Windows 8.1)

### COURSE OUTLINE

#### Prerequisites:

1. ITN109: Internet & Network Foundation
2. ITE115: Intro to Computer Applications or equivalent knowledge of Microsoft Word, PowerPoint, or other Microsoft Office suite programs

#### Course Description:

This course provides an overview of the configuration, administration, and troubleshooting of the Windows 8.1 client operating system in a networked data communications environment. This course maps to Microsoft certification exam 70-687.

**Semester Credits: 3 Lecture Hours: 3 Lab/Recitation Hours: Select Hours**

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## Course Outcomes

**At the completion of this course, the student should be able to:**

- Install and Upgrade to Windows 8
- Configure Hardware and Applications
- Configure Network Connectivity
- Configure Access to Resources
- Configure Remote Access and Mobility
- Monitor and Maintain Windows Clients
- Configure Backup and Recovery Options

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# **ITN 110 Client Operating System (Windows 8.1)**

Required Materials:

1. Exam 70-687: Configuring Windows 8.1 textbook. ISBN: 978-1-118-88275-7
2. Exam 70-687: MOAC Labs Online access code. ISBN: 978-1-118-88263-4

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Topical Description: (Outline chapters and sections to be covered in the book – may include timeline)

- Chapter 1 Evaluating Hardware Readiness and Capability 1
- Chapter 2 Installing Windows 8.1 26
- Chapter 3 Migrating and Configuring User Data 54
- Chapter 4 Working with Disks and Devices 70
- Chapter 5 Installing and Configuring Desktop Apps and Windows Store Apps 88
- Chapter 6 Controlling Access to Local Hardware and Applications 109
- Chapter 7 Configuring Internet Explorer 11 and Internet Explorer for the Desktop 125
- Chapter 8 Configuring Hyper-V 151
- Chapter 9 Configuring IP Settings 173
- Chapter 10 Configuring Network Settings 209
- Chapter 11 Configuring and Maintaining Network Security 231
- Chapter 12 Configuring Remote Management 249
- Chapter 13 Configuring Shared Resources 266
- Chapter 14 Configuring File and Folder Access 299
- Chapter 15 Configuring Authentication and Authorization 326
- Chapter 16 Configuring Remote Connections 373
- Chapter 17 Configuring Mobility Options 393
- Chapter 18 Configuring Security for Mobile Devices 420
- Chapter 19 Configuring and Managing Updates 433
- Chapter 20 Managing Local Storage 452
- Chapter 21 Monitoring System Performance 481
- Chapter 22 Configuring System Recovery 518
- Chapter 23 Configuring File Recovery 534

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Notes to Instructors

(List information about optional topics, departmental exams, etc.)

1. All instructors are to use the same textbook
2. All course sections are to follow the same basic course outline
3. All hybrid sections must allow for students to complete the labs during regular class time

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