

## CCNA Discovery - Networking for Home and Small Businesses v4.0 – Structura cursului (Course Outline)

Chapter 1. Personal Computer Hardware

Chapter 2. Operating Systems

Chapter 3. Connecting to the Network

Chapter 4. Connecting to the Internet Through an ISP

Chapter 5. Network Addressing

Chapter 6. Network Services

Chapter 7. Wireless Technologies

Chapter 8. Basic Security

Chapter 9. Troubleshooting Your Network

Chapter 10. Course Summary

### **Chapter 1. Personal Computer Hardware**

1.0 Chapter Introduction

1.1 Personal Computers and Applications

1.2 Types of Computers

1.3 Binary Representation of Data

1.4 Computer Components and Peripherals

1.5 Computer System Components

1.6 Chapter Summary

### **Chapter 2. Operating Systems**

2.0 Chapter Introduction

2.1 Choosing the Operating System

2.2 Installing the Operating System

2.3 Maintaining the Operating System

2.4 Chapter Summary

**Chapter 3. Connecting to the Network**

- 3.0 Chapter Introduction
- 3.1 Introduction to Networking
- 3.2 Principles of Communication
- 3.3 Communicating on a Local Wired Network
- 3.4 Building the Access Layer of an Ethernet Network
- 3.5 Building the Distribution Layer of a Network
- 3.6 Plan and Connect a Local Network
- 3.7 Chapter Summary

**Chapter 4. Connecting to the Internet Through an ISP**

- 4.0 Chapter Introduction
- 4.1 The Internet and How We Connect to It
- 4.2 Sending Information Across the Internet
- 4.3 Networking Devices in a NOC
- 4.4 Cables and Connectors
- 4.5 Working with Twisted-Pair Cabling
- 4.6 Chapter Summary

**Chapter 5. Network Addressing**

- 5.0 Chapter Introduction
- 5.1 IP Addresses and Subnet Masks
- 5.2 Types of IP Addresses
- 5.3 How IP Addresses are Obtained
- 5.4 Address Management
- 5.5 Chapter Summary

**Chapter 6. Network Services**

- 6.0 Chapter Introduction
- 6.1 Client/Servers and Their Interaction
- 6.2 Application Protocols and Services
- 6.3 Layered Model and Protocols
- 6.4 Chapter Summary

**Chapter 7. Wireless Technologies**

- 7.0 Chapter Introduction
- 7.1 Wireless Technology
- 7.2 Wireless LANs
- 7.3 Security Considerations on a Wireless LAN
- 7.4 Configuring an Integrated AP and Wireless Client
- 7.5 Chapter Summary

**Chapter 8. Basic Security**

- 8.0 Chapter Introduction
- 8.1 Networking Threats
- 8.2 Methods of Attack
- 8.3 Security Policy
- 8.4 Using Firewalls
- 8.5 Chapter Summary

**Chapter 9. Troubleshooting Your Network**

- 9.0 Chapter Introduction
- 9.1 Troubleshooting Process
- 9.2 Troubleshooting Issues
- 9.3 Common Issues
- 9.4 Troubleshooting and the Help Desk
- 9.5 Chapter Summary

**Chapter 10. Course Summary**

- 10.0 Putting It All Together