# **Course Alignment for CIS 1510**

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| **CO 1** | Implement and troubleshoot various network protocols and services, including TCP/IP, dial up connections, Virtual Private Networks (VPNs) and Internet Connection Sharing (ICS). |
| **CO 2** | Configure and troubleshoot User Account Control, Windows Defender, dynamic security for Internet Explorer and the Windows firewall. |
| **CO 3** | Perform clean installations and upgrade to the current version from previous client operating systems. |
| **CO 4** | Configure and manage the various file systems available, including FAT, FAT32 and NTFS, and their associated features, such as file and folder compression and encryption. |

**Note:** Course Objectives are institutionally mandated and taken from the Master Syllabus.

# **Course Structure and Alignment**

**Note:** Topic Objectives are developed by the course coordinator to align with the Course Objectives.

| **Topic** | **Objectives** | **CO #** | **Materials** | **Activities** | **Assessments** |
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| **Unit 1 – Getting Started**  (Covers Introduction, Windows Desktop, File Explorer, Settings and Cloud) | * Identify the basic components of Windows 10. * Evaluate the features of Windows 10. * Demonstrate usage of Windows Desktop. * Demonstration usage of File Explorer. * Demonstrate usage of Settings, Updating, and OneDrive. | 3, 4 | Introduction and Objectives  Chapters 1, 2, 3, 4 Ascend Coursework (readings and videos) | Complete Unit activities:  Module 1 sections 1.1.1-4  Module 1.2 sections 1.2.1, 1.2.2  Module 1.3 sections 1.3.1-1.3.3  Module 2 sections 2.1.1-2.1.4  Complete Unit practice quizzes:  Quizzes 1, 2, 3, 4 | Unit Pre-Assessment  Required Assignments:   * Installing Windows & Configuring Authorization and Authentication * Configuring and Managing Permissions and Shares * Updating Windows in Windows 10   Unit Post-Assessment (if needed) |
| **Unit 2 – Configuration and Use**  (Covers Desktop, Applications and Accessories, Printing and Internet Browsing) | * Personalize your desktop. * Use Applications and Accessories. * Manage Printing. * Demonstrate Use of Windows Browser and Networking. | 2, 3, 4 | Introduction and Objectives  Chapters 5, 6, 7, 8  Ascend Coursework (readings and videos) | Complete Unit activities:  Module 2 sections 2.2.1-2.2.2  Module 2 sections 2.3.1-2.3.2  Module 3 section 3.1.1  Module 3 section 3.2.1  Complete Unit practice quizzes: Quizzes 5, 6, 8 | Unit Pre-Assessment  Required Assignments:   * Configuration and Personalization Lab * Managing Apps Lab * Drivers Lab * Networking Lab   Unit Post-Assessment (if needed) |
| **Unit 3 – Deployment and Planning**  (Covers Deployment, Planning, and installation options) | * Demonstrate use of Windows Deployment and understanding of its parts. * Install Windows from different media. * Plan Windows Deployments. | 1, 3, 4 | Introduction and Objectives  Chapters 9, 10, 11, 12, 13  Ascend Coursework (readings and videos) | Complete Unit activities:  Module 4 section 4.1.1  Module 4 section 4.2.1  Module 4 section 4.3.1  Module 5 section 5.1.1  Module 5 section 5.2.1  Complete Unit practice quizzes: Quizzes 9, 10, 11, 12, 13 | Unit Pre-Assessment  Required Assignments:   * Support a Windows 10 Environment Lab * Troubleshooting the OS Lab * Configuring Storage Lab   Unit Post-Assessment (if needed)  Required Assignment | Midterm |
| **Unit 4 – Accounts, Policies, and Profiles**  (Covers User accounts, Policies, and Profiles) | * Manage user accounts and security features. * Implement Policies. * Administer Device and User Profiles. | 1, 2, 3, 4 | Introduction and Objectives  Chapters 14, 15, 16, 17  Ascend Coursework (readings and videos) | Complete Unit activities:  Module 5 section 5.3.1  Module 6 section 6.1.1  Module 6 section 6.2.1  Module 6 section 6.3.1  Complete Unit practice quizzes: Quizzes 14, 15, 16, 17 | Unit Pre-Assessment  Required Assignment:   * Data Access Lab   Unit Post-Assessment (if needed) |
| **Unit 5 – Security and Management**  (Covers Security, Management of Apps, Devices, and Updates, Monitoring) | * Use Windows Security tools and features. * Manage updates and Applications. * Monitor and control windows devices. | 1, 2, 4 | Introduction and Objectives  Chapters 18, 19, 20, 21, 22, 23, 24  Ascend Coursework (readings and videos) | Complete Unit activities:  Module 7 section 7.1.1  Module 7 section 7.2.1  Module 8 section 8.1.1  Module 8 section 8.2.1  Module 8 section 8.3.1  Module 9 section 9.1.1  Module 9 section 9.2.1  Complete Unit practice quizzes:  Quizzes 18, 19, 20, 21, 22, 23, 24 | Unit Pre-Assessment  Required Assignment:   * Security Lab   Unit Post-Assessment (if needed) |
| **Unit 6 - Final** | -- | 1, 2, 3, 4 | All course material |  | Unit 6 | Final Exam  Required Assignment | Final Project |