MASTER COURSE OUTLINE

Prepared By: Tom Willingham   Date: October 2018

COURSE TITLE

Windows Server Administration

GENERAL COURSE INFORMATION

Dept.: CS	Course Num: 205	(Formerly:)
CIP Code: 11.0901	Intent Code: 21	Program Code: 527
Credits: 5		

Total Contact Hrs Per Qtr.: 66

Lecture Hrs: 44	Lab Hrs: 22	Other Hrs:

Distribution Designation: General Elective (GE)

COURSE DESCRIPTION (as it will appear in the catalog)

This course focuses on Windows Server Administration. Topics include the communication, design and implementation of the Active Directory, DNS, Group Policy Objects, disaster recovery, configuring the web server, security, and working knowledge of Microsoft Exchange.

PREREQUISITES

CS 105 and CS 110 or instructor permission

TEXTBOOK GUIDELINES

Textbook and materials to be determined by CS Faculty (Example: *MCSA Windows Server 20XX Complete Study Guide*)

COURSE LEARNING OUTCOMES

Upon successful completion of the course, students should be able to demonstrate the following knowledge or skills:

1. Configure Microsoft Windows Server operating system
2. Manage the network
3. Maintain the network
4. Manage and troubleshoot hardware
5. Manage Active Directory and security
6. Build and successfully maintain a robust Exchange Server e-mail network

INSTITUTIONAL OUTCOMES

COURSE CONTENT OUTLINE

1. Installing and configuring Microsoft Windows Server
2. Configuring and Managing the DHCP Server Role
3. Configuring and Managing the DNS Server Role (Name Resolution)
4. Configuring Routing and Remote Access (RRAS) and Wireless Networking
5. Configuring File Services
6. Configuring Print Services
7. Maintaining and Updating Windows Server operating system
8. Securing Data Transmission and Authentication

9. Maintaining Network Health
10. Maintaining, backing up, and restoring Windows Server File Services

DEPARTMENTAL GUIDELINES *(optional)*

Course instruction prepares students for the Microsoft MTA 365 Windows Server Administration certification exam. With additional study, motivated students are prepared for the MTA 410 Installing and Configuring Windows Server 2012 and MTA 411 Administering Windows Server 2012 certification exams

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DIVISION CHAIR APPROVAL   **DATE**