

CIS 332 – Network Server Administration

Course Description

Provides students with the knowledge and skills needed to perform central administration tasks on the server(s) in a server-centric network. Topics covered by this course include installing / configuring servers, network protocols, resource and user management, security, Active Directory, and the variety of possible server roles to be implemented.

Instructional Materials

Zacker, C., (2009). *Windows Server 2008 – Network Infrastructure configuration*. Microsoft Official Academic Course. Wiley.

Zacker, C., (2009). *Windows Server 2008 – Network Infrastructure Configuration Lab Manual*. Microsoft Official Academic Course. Wiley.

MOAC Labs Online for MOAC 70-642 *Windows Server 2008 – Network Infrastructure Configuration*. Wiley.

Course Learning Outcomes

1. Explain the various types of servers and services required within organizations.
2. Describe the need for hardware and software integration.
3. Demonstrate the ability to prepare, maintain, and update a computer system for use as a server.
4. Demonstrate the ability to configure routing, file, and print services.
5. Demonstrate the ability to design and implement a multi-server computer network and deliver services on that network.
6. Analyze server performance and performance statistics.
7. Demonstrate the ability to design a multi-master environment for a given situation.
8. Describe and configure secure network and computing applications.
9. Describe the major problems associated with current data storage practice.
10. Develop a server migration plan to address and solve a proposed business problem.
11. Use technology and information resources to research issues in server administration.
12. Write clearly and concisely about server administration topics using proper writing mechanics and technical style conventions.