CIS 401 – Network Server Administration II

Course Description

This is a lab-based course that prepares students with advanced server administration concepts to plan, deploy, secure, monitor, backup, and manage enterprise network server environments. Topics also include storage solutions, high availability, file and printer services, and security.

Instructional Materials

Zacker, C. (2009). *Microsoft Official Academic Course. Windows Server 2008 Administrator, Lab Manual*. Danvers, MA: John Wiley and Sons.

Zacker, C. (2009). *Microsoft Official Academic Course. Windows Server 2008 Administrator, Textbook.* Danvers, MA: John Wiley and Sons.

Course Learning Outcomes

1. Explain and plan server deployments.
2. Describe and plan the implementation of infrastructure services.
3. Design and plan for the deployment of Active Directory.
4. Compare and contrast deployment strategies among different application servers.
5. Compare and contrast among different types of high availability solutions.
6. Design and plan the implementation of application and file and print services.
7. Design and plan the implementation of storage solutions and high availability.
8. Demonstrate the ability to develop server and network security designs for a large enterprise.
9. Demonstrate the ability to develop strategies that manage, monitor, and backup enterprise server environments.
10. Develop a migration plan to address and solve a proposed business problem.
11. Use technology and information resources to research issues in the administration of server environments.
12. Write clearly and concisely about advanced network server implementation topics using proper writing mechanics and technical style conventions.