BAKER COLLEGE
STUDENT LEARNING OUTCOMES

NET2310 Virtual Environment: Installation, Configuration and Management

3 Semester Hours

Student Learning Outcomes & Enabling Objectives

1. Install and configure ESXi Host.

    a. Install ESXi Host using ISO file.

    b. Configure ESXi Host with a static IP address, subnet Mask, Gateway and DNS Server.

2. Deploy and configure vCenter Server appliance.

    a. Setup an admin password for vCenter Server Appliance.

    b. Configure Networking Parameters for vCenter Server Appliance.

3. Use vCenter Server to configure and manage ESXi host networking and storage.

    a. Add and Configure Virtual Distributed Switch and Network Cards to ESXi Host.

    b. Add and Configure Storage Disks to ESXi Host.

4. Deploy, manage and migrate virtual machines.

    a. Install and Configure Virtual Machines.

    b. Modify CPU, RAM and Disk Space to deployed VM's.

Big Ideas:
- vSphere virtualization, components and high availability
- Virtual machines management and vSphere cluster optimization
- Configuring and managing virtual networks and storage
- VMware management resources and security
- vCenter server and vSphere DRS

Essential Questions:
1. How do you configure and manage virtual machines and storage?
2. Why is vSphere virtualization, components and high availability critical in a network environment?
3. What is virtual machine management and vSphere cluster optimization?

4. How do you manage VMware management resources and security?
5. What is the purpose for vCenter and vSphere DRS?

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