Course Title: SQL Server 2008 Essentials

Course Description:
As a developer, database administrator, information worker, or decision maker, provide innovative solutions to extract value from corporate data using Microsoft SQL Server 2008 RDBMS features.

Course Prerequisite(s):
Working knowledge of Windows environment; database or programming experience a plus.

Course Objectives:
Install and configure SQL Server 2008; create and manage databases and database devices both in Management Studio and with scripts in Query Editor; backup and restore SQL Server 2008 databases; design, create and manage database objects; implement automated tasks and optimize performance of SQL Server 2008.

Textbook(s): Optional
Microsoft SQL Server 2008 Step by Step
Microsoft Press; Hotek

Next Class Possibilities: SQL Server 2008 Integration Services

Lesson Plan – by week or session
Session 1:
1. Overview of Microsoft SQL Server
2. Installing and Configuring SQL Server 2008
3. Using the Tools in SQL Server 2008
Labs: Pages 18, 22, 33, 36 and 39
Session 2:
1. Creating Databases
2. Designing Tables
3. Indexes
4. Partitioning
Labs: Pages 58-60, 71, 73, 76, 78-85, 92, 94, 96, 98, 101, 108 and 114
Session 3:
1. Data Retrieval
2. Advanced Data Retrieval
3. Data Manipulation
Labs: Pages 154, 160, 162, 164, 165, 172 and 174
Session 4:
1. Views
2. Stored Procedures
3. Functions
4. Triggers
5. Database Snapshots
Labs: Pages 180-81, 183, 203, 205, 208, 214, 217 and 221
Session 5:
   1. Service Broker
   2. Full-Text Indexing
   3. Security
Session 6:
   1. Policy-Based Management
   2. Data Recovery
   3. SQL Server Agent
   4. Dynamic Management Views
Session 7:
   1. High Availability
Labs: Pages 350, 356, 359 and 368-69
Session 8:
   1. SQL Server Integration Services
   2. SQL Server Reporting Services
   3. SQL Server Analysis Services
Labs: Pages 378-79, 386, 390, 395, 401, 403 and 407