



CENTRAL PIEDMONT COMMUNITY COLLEGE

CORPORATE & CONTINUING EDUCATION

Course Number: DPT7876
Course Title: Microsoft SQL Server 2005 Introduction
Course Hours: 21

Last Revised On: 07/15/09

Description:

This class will get students up and running on SQL Server. This course will cover database concepts, and discuss key topics for new users including the SQL Server. Workbench, T-SQL, automated administration tasks, security and analysis.

Objectives:

Set up SQL Server
Automate system administrative tasks
Execute simple and complex database queries

Content:

I. SQL Server: Basic Concepts

1. Database systems and SQL Server
2. SQL Server management studio

II. Transact - SQL Language

1. SQL components
2. Data definition language
3. Simple queries
4. Complex queries
5. Modification of a table's contents
6. Stored procedures and user defined functions
7. Indices and query optimization
8. Views
9. Systems catalog
10. SQL Server security.
11. Triggers
12. Transactions
13. SQL Server environment



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III. SQL Server: System Administration

1. Overview of system administration
2. Planning the installation and installing SQL Server
3. Managing database and database files
4. Managing security
5. Backup and recovery
6. Automating systems administrative tasks
7. Performance and tuning
8. Data partitioning
9. Data replication

Prerequisites:

General understanding of databases.

Method of Instruction:

Instructor- led, student participation.

Evaluation:

None