

Common Course Outline

DCOM 206

SQL Server

4 Semester Hours

The Community College of Baltimore County

Description

SQL Server

Presents the installation, configuration, and maintenance of Microsoft's SQL Server.

This combination lecture/hands-on course prepares students for an MCP exam.

Prerequisite: DCOM 202 or permission of Program Coordinator.

Overall Course Objectives

Upon completion of this course the student will be able to:

1. Develop a SQL Server capacity plan.
2. Develop a migration plan of data from previous versions of SQL as well as other data sources
3. Install SQL Server
4. Assign SQL Server access
5. Create and assign SQL Server roles
6. Grant to database users and roles the appropriate permissions on database objects and statements
7. Audit server and database activity
8. Create and manage databases
9. Diagnose and resolve problems in accessing SQL Server, databases, and database objects
10. Monitor SQL Server performance
11. Configure SQL Server
12. Install and configure a SQL Server client

Major Topics

- I. Planning SQL Server
- II. Installing SQL Server
- III. Configuring SQL Server
- IV. Managing SQL Server Security
- V. Managing and Maintaining Data
- VI. Automating Tasks
- VII. Monitoring and Optimization
- VIII. Troubleshooting

Course Requirements

Grading: Grading procedures will be determined by the faculty member, will be provided the first week of class, and will include:

1. Participation in class learning activities
2. Case Studies and projects
3. Minimum of two exams
4. Minimum of four quizzes
5. Comprehensive final exam.

Other Course Information

The required text is *MCSE Training Guide : SQL Server 7 Administration*
by Christoph Wille and Brad McGehee

This is a core course for the MCSE degree concentration and preparation certificate.

This course is taught in a computerized environment.

Date Revised: 6/1/00