

COURSE OUTLINE

MSFT-862

Administering a Microsoft SQL Server 2000 Database

3 Semester Hours

HOWARD COMMUNITY COLLEGE

Description

This course provides students with the knowledge and skills required to install, configure, administer, and troubleshoot the Microsoft® SQL Server™ client/server database management system of Microsoft SQL Server 2000. Prerequisite: MSFT-156 or MSFT-205 or MSFT 973 courses. (3 hours lecture, 1-hour lab)

Overall Course Objectives

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

1. Describe SQL Server architecture.
2. Plan for a SQL Server installation.
3. Install SQL Server and configure SQL Server.
4. Manage files and databases, including determining resource requirements.
5. Choose a login security method.
6. Configure login security.
7. Plan and implement database permissions.
8. Back up databases and restore databases.
9. Monitor and optimize SQL Server performance
10. Transfer and migrate data into databases.
11. Maintain the high availability of SQL Server.
12. Replicate data from one SQL Server to another.

Major Topics

- I. SQL Server Overview
- II. Installing and Configuring SQL Server
- III. Managing Security
- IV. Managing Database Files

- V. Backing Up Databases
- VI. Restoring Databases
- VII. Automating Administrative Tasks
- VIII. Transferring Data
- IX. Monitoring and Maintaining SQL Server
- X. Introducing Replication
- XI. Planning and Setting Up Replication
- XII. Managing Replication
- XIII. Maintaining High Availability

About Microsoft Curriculum at HCC

When a student takes a Microsoft course at HCC, that student usually receives more instruction time than they would receive in other formats. Therefore, while taking Microsoft courses at HCC, the student may expect not only instruction from Microsoft materials but additional academic and practical exercises and course work to better equip the student not only for the corresponding certification exam but for eventual utilization in their professional endeavors.

Course Requirements

Grading/exams: Grading procedures will be determined by the individual faculty member but will include two quizzes or exams and one lab activity.

Other Course Information

This course is a Network Administration and Computer Support Technology core course.

This course is also intended for students who wish to become a Microsoft Certified Systems Engineer (MCSE) or Microsoft Certified Database Administrator (MCDBA).

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