

Miami-Dade Community College
COP 2744 - Oracle Database Performance Tuning

Course Description: This course introduces students to a series of tuning steps which can be used to improve the performance of the Oracle8 Server. The focus is on database rather than specific operating system performance issues. Through a combination of demonstrations, lectures, online lab exercises, and slide presentations, students will gain practical experience tuning an Oracle database. Students will also learn how to recognize, troubleshoot and resolve common performance related problems in administering an Oracle database.

4 Credits

Prerequisites and Corequisites : COP 2741 Introduction to Oracle Database Administration

Course Competencies:

Competency 1: The Student will enhance performance across differing application environments by.

- a. using Oracle tools to diagnose performance problems
- b. diagnosing and resolving multithreaded server performance issues

Competency 2: The Student will define the important steps for outlining a tuning methodology by.

- a. identifying specific performance tuning requirements types of applications
- b. reconfiguring file structures to enhance performance

Competency 3: The Student will determine and resolve I/O, data storage and database configuration issues by.

- a. configuring memory and disk resources to optimize sort operations
- b. detecting and resolving latch and lock contention problems