Miami-Dade Community College
COP 2742 - Intermediate Oracle Database Administration

Course Description: This course introduces students to the critical task of planning and implementing database backup and recovery strategies and to the trends and problems associated with business networking. Backup and recovery techniques and various backup, failure, restore and recovery scenarios are introduced. Generic backup, restore and recovery operations that apply to both Oracle7 and Oracle8 database environments, the Oracle8 Recovery Manager is also discussed. Students will learn the various solutions required to tackle problems associated with business networking. Implementation of solutions, Net8 architecture, and peer connections are covered.

4 Credits

Prerequisites and Corequisites :   COP 2741 Introduction to Oracle Database Administration

Course Competencies:

Competency 1:   The Student will establish a Backup and Recovery plan by.
   a. defining an effective backup and recovery strategy
   b. identifying the Oracle architecture backup and recovery components
   c. identifying the components of the recovery manager architecture
   d. implementing different backup methods using Oracle DBA tools

Competency 2:   The Student will diagnose and troubleshoot database problems and failures by.
   a. listing the different oracle backup methods
   b. using restore and recovery operations to resolve database failure
   c. configuring a standby database
   d. developing recovery techniques through various scenarios
   e. building new master and snapshot sites using offline instantiation

Competency 3:   The Student will perform network administration tasks for an oracle environment by.
   a. starting up and shutting down the oracle intelligent agent for OEM
   b. configuring and startup a multi-threaded server
   c. configuring a net8 client and server node
   d. configuring connection manager to perform pooling and restriction

Competency 4:   The Student will resolve network problems by.
   a. using logging, tracing, and network assistant
   b. identifying network security risks and related oracle solutions
   c. configuring oracle names to resolve a service name