Course Syllabus

Course Title: Oracle Database: Administration Workshop II

Course Description:
Learn how to configure an Oracle database for multilingual applications. Practice various methods of recovering the database, using RMAN, SQL, and Flashback technology. Tools to monitor database performance and what steps to take to improve database performance are also covered in this course. Various database technologies, such as Resource Manager, the Scheduler, and Automatic Storage Management (ASM) will also be discussed. This course is designed to prepare you for the corresponding Oracle Certified Professional exam.

Course Prerequisite(s):
Oracle Database 11g: Administration Workshop II

Course Objectives:
Student will use RMAN to create and manage backup sets and image copies. Recover the database to a previous point in time. Use Oracle's Flashback technology to recover your database. Detect block corruptions and take appropriate measures to correct them. Use the various Database advisors and views to monitor and improve database performance. Control database resource usage with the Resource Manager. Simplify management tasks by using the Scheduler. Improve the security of the listener. Review database log files for diagnostic.

Textbook(s):
Oracle Database 11g: Administration Workshop II
Oracle

Next Class Possibilities:
Oracle Database: Program with PL/SQL

Lesson Plan – by week or session
Session 1: Core Concepts and Tools of the Oracle Database
Configuring for Recoverability
Session 2: Using RMAN Recovery Catalog
Configuring Backup Settings
Session 3: Creating Backups with RMAN
Restore and Recovery Tasks
Session 4: Using RMAN to Perform Recovery
Monitoring and Tuning RMAN
Session 5: Diagnosing the Database
Using Flashback technology I
Session 6: Using Flashback technology II
Performing Flashback Database
Session 7: Managing Memory
Managing Database Performance

Session 8: Managing Performance by SQL Tuning
Managing Resources

Session 9: Automating Tasks with the Scheduler
Managing Space

Session 10: Managing Space for the Database
Duplicating a Database