Course Title: Oracle Database: OCP Package

Course Description:
Complete your entire Oracle DBA training in this convenient and economical daytime course offering. Make yourself competitive by being one of the first to learn about and become 11g certified. Begin with Intro to SQL and progress through Administration Workshops I and II.

Course Objectives:
Preparation for Oracle Certified Associate and Oracle Certified Professional exams (Hands-on course form not available for new OCP candidates)

Textbook(s):
Oracle Database 11g: Introduction to SQL
Oracle Database 11g: Administration Workshop I
Oracle Database 11g: Administration Workshop II

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

Lesson Plan – by week or session
Intro to SQL
Session 1: Retrieving Data Using SQL Select
Restricting and Sorting Data
Session 2: Using Single Row Functions to Customize Output
Using Conversion Functions and Conditional Expressions
Session 3: Reporting Aggregated Data Using the Group Functions
Displaying Data from Multiple Tables
Session 4: Using Sub-queries to Solve Queries
Using the Set Operators
Session 5: Manipulating Data
Using DDL Statements to Create and Manage Tables
Session 6: Creating Other Schema Objects
Session 7: Controlling User Access
Managing Schema Objects
Session 8: Manipulating Large Data Sets
Generating Reports by Grouping Related Data
Session 9: Managing Data in Different Time Zones
Retrieving Data Using Sub-queries
Session 10: Regular Expression Support
Admin I
Session 11: Exploring the Oracle database architecture
Installing your Oracle Software
Session 12: Creating an Oracle Database using DBCA
Managing the Database Instance
Session 13: Managing the ASM Instance  
   Configuring the Oracle Network Environment  
Session 14: Managing Database Storage Structures  
   Administering User Security  
Session 15: Managing Data Concurrency  
   Managing Undo Data  
Session 16: Implementing Database Auditing  
   Database Maintenance  
Session 17: Performance Management  
   Backup and Recovery Concepts  
Session 18: Performing Database Backups  
   Performing Database Recovery  
Session 19: Moving Data  
   Working with Support  
Session 20: Oracle Restart  

**Admin II**  
Session 21: Core Concepts and Tools of the Oracle Database  
   Configuring for Recoverability  
Session 22: Using RMAN Recovery Catalog  
   Configuring Backup Settings  
Session 23: Creating Backups with RMAN  
   Restore and Recovery Tasks  
Session 24: Using RMAN to Perform Recovery  
   Monitoring and Tuning RMAN  
Session 25: Diagnosing the Database  
   Using Flashback technology I  
Session 26: Using Flashback technology II  
   Performing Flashback Database  
Session 27: Managing Memory  
   Managing Database Performance  
Session 28: Managing Performance by SQL Tuning  
   Managing Resources  
Session 29: Automating Tasks with the Scheduler  
   Managing Space  
Session 30: Managing Space for the Database  
   Duplicating a Database