Course Title: Oracle Database: Program with PL/SQL

Course Description: Learn to create anonymous PL/SQL blocks, stored procedures, stored functions, stored packages, dynamic SQL and metadata, and triggers using iSQL*Plus.

Course Prerequisite(s): SQL*Plus knowledge and experience.

Course Objectives: Declare variables and trap exceptions, create stored procedures, functions, packages and database triggers.

Textbook(s):
Oracle Database 11g: Program with PL/SQL Release 2

Lesson Plan – by week or session
Session 1: Introduction to PL/SQL, Declaring PL/SQL Variables, Writing Statements
Session 2: Interacting with the Server and Writing Control Structures
Session 3: Composite Data Types and Using Explicit Cursors
Session 4: Handling Exceptions, Overview of Stored Procedures and Functions
Session 5: Creating Stored Procedures
Session 6: Creating Stored Functions and Creating Stored Packages
Session 7: Using more Package Concepts and Oracle Supplied Packages
Session 8: Dynamic SQL and Metadata, Design Considerations, and Dependencies
Session 9: Manipulating Large Objects (LOBS) and Creating Database Triggers
Session 10: Applications for Triggers and Influencing the PL/SQL Compiler