

Common Course Outline
CSIT256
Oracle PL/SQL Programming
4 Semester Hours

The Community College of Baltimore County

Description

CSIT256 – 4 Credits – Oracle PL/SQL Programming discusses PL/SQL in: application development, program constructs, application schemas, functions, subprograms, packages, triggers, dependencies, large object types, supplied packages and advanced security concepts.

4 Credits: 4 lecture hours per week

Prerequisite: CSIT156 or consent of the Program Director.

Overall Course Objectives

Upon completion of this course the student will be able to:

1. utilize PL/SQL in application development
2. create PL/SQL program constructs;
3. manage application schemas;
4. build and manage functions, subprograms, packages and triggers;
5. manage dependencies;
6. create and manipulate large objects; and
7. identify and employ oracle supplied packages.

Major Topics

These topics will be covered in the following general order:

- I. PL/SQL ProgramsApplication schema
- II. Creating Procedures
- III. Creating Functions
- IV. Managing SubPrograms
- V. Creating Packages
- VI. Oracle Supplied Packages
- VII. Advanced Package Concepts
- VIII. Manipulating Large Objects
- IX. Creating Database Triggers
- X. Advanced Trigger Concepts
- XI. Managing Dependencies

Course Requirements

Grading: Grading procedures will be determined by the individual faculty member and will be provided the first week of class.

The following will be required for this course:

1. Minimum of 8 lab projects
2. Minimum of 2 tests
3. Comprehensive final exam

Other Course Information

This course is taught in a computerized laboratory environment.

This course is the second course in a two course sequence and is required as part of the Database option.