



## **Oracle Forms 10g Development for University System Programmers (BAN206)**

### Course Description

This 5-day course covers a comprehensive set of topics that will bring a brand new Oracle Forms developer from basic forms development through advanced forms concepts. The material covered includes creating simple forms, incorporating PL/SQL program units, and creating a small application that includes several forms. The course provides both lecture and hands-on lab time with the student spending approximately 50% of the class time practicing the techniques discussed in the lecture.

### Audience

This course is intended for application developers and programmers who will create or maintain Oracle Forms applications. The prerequisite for this course is SQL100 or a minimum of six months of SQL/SQL\*Plus experience.

### Course Topics

#### **Introduction to Oracle Forms**

- Oracle Products
- RDBMS Overview
- Purpose of Forms
- Training Database

#### **Button Menus**

- Creating Menu Form
- Creating Buttons
- When-Button-Pressed Triggers
- Calling Forms

#### **Forms Concepts**

- Module Types
- Canvases
- Windows
- Records
- Items
- Oracle Forms Executables

#### **Menu Modules**

- Creating New Menu Module
- Menu Editor
- Creating Main Menu
- Creating Pull-down Menu
- Adding PL/SQL to Menu

## **Simple Forms**

- Accessing the Form Builder
- Form Builder Overview
- Steps for Forms Development
- Creating a Block
- Saving & Running a Form

## **Customizing Forms**

- Layout Editor
- Using the Drawing Tools
- Supplying Color & Patterns
- Modifying the Form Appearance

## **Designing for Reusability**

- Item Properties
- Visual Attributes
- Current Record Attribute
- Property Classes
- List of Values
- Template Forms

## **Item Types**

- Check Boxes
- List Items
- Radio Groups
- Buttons

## **Using Multiple Blocks**

- Creating a Second Block
- Master-Detail Relationship
- Relation Properties
- Block Coordination
- Mirroring Items
- Displaying Items at Different Frequencies

## **Form Triggers**

- Trigger Definition
- Purpose of Triggers
- Common Triggers
- Trigger Example

## **Multiple Canvases and Windows**

- Canvas Concepts
- Window Concepts
- Steps to Creating Second Canvas
- Displaying Second Canvas

## **Advanced Trigger Concepts**

- Built-in Procedures
- System Variables
- Using Alerts
- Form Startup Activities
- Navigation Triggers

## **Procedures**

- Procedure Definition
- Create Procedure Syntax
- Procedure Examples

## **Functions**

- Function Definition
- Create Function Syntax
- Function Examples

## **Packages**

- Package Definition
- Create Package Syntax
- Package Examples
- Built-in Packages

## **Multiple Form Applications**

- New Form Procedure
- Call Form Procedure
- Open Form Procedure
- Transaction Control

- Table Lookups
- Validation Triggers