

## ORACLE DESIGNER 6

Duration: 5 days

### Develop the skills to effectively utilize the Oracle CASE Method

#### Course Description:

This course teaches the purposes and capabilities of each tool of the Oracle CASE Method and how to generate a Windows-based client-server system.

#### Participants will learn...

- How to create application systems and data models
- How to generate database definitions, forms and reports using the Design Editor
- How to utilize Designer 6 utilities
- To use:
  - Repository Object Navigator
  - Function Hierarchy Diagrammer
  - Dataflow and Matrix Diagrammer
  - Database Transformer and Application Transformer

#### Who Needs to Attend:

Application designers and developers, managers and systems analysts

#### Prerequisites:

Familiarity with Microsoft Windows environment, the terminology and concepts of data modeling and relational database design. The equivalent in course **OR** experience with Oracle Foundations Classes, Developer Forms and Relational Database Design Concepts

#### Course Content:

##### ANALYSIS STAGE

###### STEP 1 - CREATE APPLICATION SYSTEM

- Overview of Oracle Designer
- Methodology behind the tool
- The Repository Object Navigator (RON)
- RON initialization and functional components
- Using the Navigator Window
- Working with the Property Palette
- Using the RON to launch other tools
- Drawing toolbars on diagrammers
- Using the Oracle Designer online help system

###### STEP 2 - CREATE DATA MODEL

- Data modeling concepts and processes
- Invoking the Entity Relationship Diagrammer
- Sub-types and Super-types
- Deleting diagram elements
- Displaying summary information for a diagram

###### STEP 2 cont.

- The Requery command
- Role of standards in ER diagrams
- Including existing elements from the repository
- Changing the default values
- Using the Requery command
- Documenting the model with text
- Using the RON to add additional terms to the system glossary
- Documenting business terminology
- What is an attribute?
- What is a domain?
- How to define range or list of values
- How to identify/create attributes for an entity
- Creating or identifying unique identifiers
- Defining unique identifiers with the ER Diagrammer
- Using Repository Reports to check quality
- Repository Reports tool window

###### STEP 3 - CREATE FUNCTION AND PROCESS MODEL

- Function Hierarchy diagrams
- Function Creation workflow
- The role of business units
- Adding process flow information to the function model
- Organization units and swim lanes

###### STEP 4 - CREATE CROSS REFERENCES

- Completing the analysis stage
- Why cross-references are needed
- Creating a new matrix diagram
- Types of entity usages
- The Data Flow Diagrammer

##### DESIGN STAGE

###### STEP 6 - REFINE DATABASE DESIGN

- Anatomy of the Design Editor
- Design Editor interface
- Refining the database design
- How to create a new data diagram

###### STEP 7 - REFINE MODULE AND MENU STRUCTURE

- The Module Diagrammer
- The Standard Toolbar
- Creating a new diagram from existing modules
- The default module diagram
- Editing module components
- Overflow styles

###### STEP 8 - DEFINE STANDARDS AND CONVENTIONS

- Preferences
- Templates
- Using the preferences palette
- Specifying form and report templates

##### BUILD STAGE

###### STEP 9 - GENERATE DATABASE STRUCTURES

- Creating a database definition in the repository
- How to define a database using the RON
- Using the Target Tab to select the generation target
- Generating table API
- Using the Objects View to select the objects to generate

###### STEP 10 - GENERATE FORMS

- Generating and testing screen modules
- Cooperation between Oracle Designer and Developer during the forms
- Generation hints
- Creating a lookup link
- Organizing the display with item groups
- How to create a Master-Detail Link
- Introduction to Webserver Generator and its use

###### STEP 11 - GENERATE REPORTS, MENUS AND THE ONLINE HELP SYSTEM

- Working with report modules
- Running the Reports Generator
- Generating the application's menu
- Generating application help files
- Entering help text in the repository

##### Course Labs:

- 1-1 Create the application system
- 2-1 Define Entities
- 2-2 Define relationships
- 2-3 Build system glossary
- 2-4 Define domains
- 2-5 Define attributes
- 2-6 Define unique identifiers
- 2-7 Perform quality checks
- 3-1 Create function hierarchy
- 3-2 Add function details
- 3-3 Create business units
- 3-4 Create process models
- 4-1 Link functions to business units
- 4-2 Link functions to entities
- 4-3 Link functions to attributes
- 4-4 Create dataflow
- 5-1 Transform database
- 5-2 Transform functions to modules
- 6-1 Build a database server model
- 7-1 Build and maintain modules
- 8-1 Define standards and conventions
- 9-1 Generate database definitions
- 10-1 Forms with one base table usage
- 10-2 Forms with one base table usage and a lookup table usage
- 10-3 Simple master-detail forms
- 10-4 More complex forms
- 10-5 Use the webserver generator
- 11-1 Generate reports
- 11-2 Generate the menu overview
- 11-3 Generate the on-line help system