MAGNA SKILLS DEVELOPMENT INSTITUTE

Capacity Building • Professional Training • Organisational Development

Generated: 31-Oct-2026

Course Profile Document

ICT and Security Management

Oracle Administration

Prepared as a professional course profile for delegate review, sponsorship approval and organisational training planning.

COURSE CODE	DELIVERY	DURATION	PREPARED FOR
MSD2840	**Online / Face-to-Face**	**Flexible**	**Organisation Approval**

Register for this Course

View Online Course Page

Course Overview

This course is designed to give delegates a firm foundation in basic administration of Oracle Database 11g. In this class, delegates learn how to install and maintain Oracle Database 11g. Delegates gain a conceptual understanding of the Oracle database architecture and how its components work and interact with one another. Delegates learn how to create an operational database and properly manage the various structures in an effective and efficient manner including performance monitoring, database security, user management, and backup/recovery techniques. The lesson topics are reinforced with structured hands-on practices.

Oracle makes some of the most highly-respected and popular database and enterprise software products in the world. Our range of Oracle courses covers vital skills for the administration of Oracle databases, as well as providing an understanding of Oracle's SQL database language and their Discoverer tool-set.

Course Outcomes

- Software installation and the creation of new databases.
- An in-depth exploration of the database architecture, including memory, process and data structures, and the management of those structures.
- Management of database files.
- Specialized facilities intended to maximize performance of enterprise-scale transactional applications, such as the shared SQL and PL/SQL cache, the result cache, the database buffer cache, and other similar components.
- Management of security policies and procedures, including administration of user accounts, roles, privileges and profiles.
- Utilization of advanced self-tuning and self-management capabilities, including the use of Oracle-Managed Files, database Advisors and other components of the Management Framework.
- Performance monitoring, problem troubleshooting, and resolving lock and conflict issues.
- Using the Oracle Enterprise Manager and SQL interfaces for administration tasks.
- Control over database support services, including the Database Control, Oracle Net and others.
- A primer on backup and recovery structures and strategies.
- Operating system-specific considerations for various platforms, especially Linux and MS Windows Serve

Course Outline / Curriculum

Oracle SQL Fundamentals Course Outline

Module 1: Relational Database Concepts

- Basic Concepts
- Different Keys and Their Functions

Module 2: Using SQL*Plus and SQL Developer

- Overview of SQL*Plus
- Working with SQL*Plus
- Introducing the SQL Developer
- Components of SQL Developer

Module 3: SQL Functions

- Retrieving Data with the Select Statement
- Using the Aggregate Functions
- Joining Tables
- Numeric Character and Date Functions
- Conversion Functions

Module 4: SQL Parameters

- Parameter Declaration
- Keyword and Parameter Descriptions

Module 5: Using Subqueries

- Subqueries
- Subqueries with the Select Statement
- Subqueries with Insert and Update

Module 6: Managing Data

- About Database Management
- Monitoring Databases
- Administering Databases

Module 7: Managing Tables

- Guidelines for Table Management
- Creating Tables
- Creating a Temporary Table
- Loading Tables
-

Automatically Collecting Statistics on Tables

- Altering Tables
- Dropping/Truncating Tables
- Managing External Tables
- Creating External Tables
- Altering External Tables
- Dropping External Tables
- System and Object Privileges for External Tables
- Viewing Information About Tables

Module 8: Managing Indexes and Views

- About Indexes
- Index Management
- About Views
- Creating Views

Module 9: Managing Sequences and Synonyms

- About Sequences
- Creating Sequences
- Altering Sequences
- Dropping Sequences
- About Synonyms
- Creating Synonyms
- Dropping Synonyms

Module 10: Retrieve Data Using Subqueries

- Types of Subqueries
- IN and NOT IN Subqueries

Module 11: Hierarchical Queries, Grouping Features, and Large Data Sets

- Hierarchical Queries
- Enhanced Grouping Features
- Managing Very Large Databases

Module 12: Flashback Technology

- Overview of Oracle Flashback Technology
- Using Flashback Features in Application Development
- Using Flashback Features in Database Administration
- Configuration of Database for Flashback Technology

Module 13: Date, Time, And Time Zone Support

- Introduction to Time Zone Support
- Datetime and Interval Datatypes

Module 14: Regular Expression Support

- Introduction to Regular Expressions
- Implementation of Oracle Database Regular Expressions

Module 15: Manage Objects with the Data Dictionary

- Introduction to Data Dictionary
- Structure of Data Dictionary
- How the Data Dictionary is Used?

Module 16: Manage Schema Objects

- Introduction to Schema Objects
- Creating Multiple Tables and Views in a Single Operation
- Analysing Tables, Indexes, and Clusters
- Schema Object Management Privileges

Module 17: Access Control

- Introduction
- Access Meditation
- Understanding User Authentication
- Securable, Principals, and Permissions

Target Audience

Microsoft Outlook

Key Course Benefits

Work-Ready Skills

Delegates leave with practical tools, templatesand methods they canapply immediately atwork.

Better Institutional Results

The programme supports stronger planning, reporting, compliance, accountability andservice delivery.

Sponsor-Friendly

This document isdesigned to helpsupervisors, HR units andsponsors approve delegate participation quickly.

ProfessionalRecognition

Delegates receivetraining documentationand a certificate ofcompletion aftersuccessful participation.

Our Training Centres & Delivery Options

Magna Skills offers flexible delivery through face-to-face training centres across Africa and beyond, plus Online / E-Learning for delegates who prefer remote participation.

Southern Africa

Practical training destinations with strong travel access and delegate support.

Pretoria, South Africa

Vic Falls, Zimbabwe

Livingstone, Zambia

East Africa

Popular regional centres for government, NGO and donor-funded project teams.

Kigali, Rwanda

Kampala, Uganda

Nairob

Zanzibar, Tanzania

West Africa & Islands

Strategic locations for regional networking and executive capacity building.

Accra, Ghana

Port Louis, Mauritius

International Executive Venue

Premium destination training for senior teams and international delegates.

Dubai, United Arab Emirates

Online / E-Learning

Attend from anywhere through live online, blended or self-paced learning options.

Online, E-Learning

Remote Teams

Flexib

Organisation-Based Training

Magna Skills can also arrange dedicated in-house training for ministries, NGOs and companies.

Onsite

Custom Dates

Group Training

Ready to Nominate Delegates?

Use the links below to register, review the live course page or contact Magna Skills for organisation-based training support.

Register / Apply Online

View Full Course Page

About Magna Skills

Magna Skills Development Institute provides practical capacity building programmes for government departments, NGOs, public institutions, donor-funded projects and private sector professionals across Africa. Our training approach combines expert facilitation, real workplace case studies, practical tools, post-training support and professional documentation that helps organisations strengthen staff performance and service delivery.

Government Training | NGO Capacity Building | Corporate Workshops | Online Learning | Face-to-Face Training | Certifica

Approval & Authorisation Form

This section may be completed by the organisation, department, HR office, finance office or sponsor approving delegate participation. It can be attached to an internal memo, procurement request or training approval submission.

Organisation / Department	
Delegate Name(s)	
Approved Course	Oracle Administration
Preferred Delivery Mode	☐ Online ☐ Face-to-Face ☐ Organisation-Based Training
Preferred Training Venue / Date	
Estimated Number of Delegates	
Budget / Vote Number	
Contact Person	
Email / Mobile	

Authorised Name _____ Signature / Stamp _____ Date _____