Introduction to Informatica MDM

- **Overview of Informatica MDM**
  - Introduction to Master Data Management (MDM)
  - Key Features and Benefits of Informatica MDM
  - Architecture and Components of Informatica MDM
  - Data Integration and Governance Concepts

Informatica MDM Installation and Configuration

- **Installation and Setup**
  - Installing Informatica MDM Hub and Informatica MDM Analyst
  - Configuring MDM Hub and Components
  - Connecting to Data Sources and Configuring Data Integration
  - Advanced Topics: Cluster Configuration, Performance Tuning
- **MDM Environment Management**
  - Managing Multiple Environments: Development, Testing, Production
  - Backup and Recovery Strategies, Monitoring and Troubleshooting

Data Modeling in Informatica MDM

- **Master Data Model Design**
  - Designing and Configuring Master Data Models
  - Defining Entities, Attributes, and Hierarchies
  - Advanced Topics: Custom Data Models, Data Model Extensions
- **Hierarchies and Relationships**
  - Creating and Managing Hierarchies
  - Handling Parent-Child Relationships and Multiple Hierarchies
  - Advanced Topics: Hierarchy Management Best Practices

Data Integration and ETL (Extract, Transform, Load)

- **Data Integration Techniques**
  - Integrating Data from Various Sources
  - Designing ETL Processes with Informatica PowerCenter and Informatica Cloud
  - Data Quality Management and Cleansing
  - Advanced Topics: Real-Time Data Integration, Data Virtualization
- **Data Loading and Transformation**
  - Configuring Data Loading Jobs
  - Data Transformation and Enrichment Techniques
  - Advanced Topics: Incremental Loading, Complex Transformation Scenarios

Data Governance and Quality Management

- **Data Governance Framework**
  - Implementing Data Governance Policies and Procedures
  - Defining Roles, Responsibilities, and Data Stewardship
  - Advanced Topics: Data Governance Best Practices, Compliance
- **Data Quality Management**
  - Configuring Data Quality Rules and Standards
  - Data Validation, Cleansing, and Matching
  - Advanced Topics: Data Profiling, Data Quality Monitoring

Data Matching and Merging

- **Data Matching Techniques**
  - Configuring and Managing Matching Rules
  - Handling Duplicate Records and Data Conflicts
  - Advanced Topics: Advanced Matching Algorithms, Machine Learning Integration
- **Data Merging and Consolidation**
  - Merging Duplicate Records and Consolidating Data
  - Managing Master Data Records and Survivorship Rules
  - Advanced Topics: Merge Strategies, Custom Merge Rules

MDM Hub Configuration and Administration

- **Hub Configuration**
  - Configuring MDM Hub Components and Services
  - Setting Up Data Stewardship and Workflow
  - Advanced Topics: Configuring Complex Workflows, Customization
- **Administration and Security**
  - Managing Users, Roles, and Permissions
  - Implementing Security Best Practices, Advanced Topics: Auditing and Compliance, Encryption

Data Stewardship and User Interfaces

- **Data Stewardship Tools**
  - Using Informatica MDM Analyst Tool for Data Stewardship
  - Managing Data Quality and Resolution
  - Advanced Topics: Customizing Data Stewardship Workflows
- **User Interfaces and Reporting**
  - Configuring User Interfaces for Data Management
  - Creating and Managing Reports and Dashboards
  - Advanced Topics: Custom Reporting, Integration with BI Tools

Advanced Topics and Best Practices

- **Performance Tuning and Optimization**
  - Optimizing MDM Hub Performance
  - Best Practices for Data Load and Query Performance
  - Advanced Topics: Scalability, High Availability

Hands-On Projects and Case Studies

- **Practical Implementations**
  - Real-World MDM Projects and Scenarios
  - End-to-End MDM Solution Implementation
  - Advanced Topics: Custom Solutions, Industry-Specific Use Cases
- **Case Studies and Best Practices**
  - Analyzing Successful MDM Implementations
  - Lessons Learned from Real-World Deployments
  - Advanced Topics: Future Trends in MDM, Emerging Technologies