

IMF-01 Information Management Fundamentals

IMF-01-00 About the Course (8 min)

IMF-01-01 Information Management Overview (25 min)

- Information Management Defined
 - Information
 - Management
 - Information + Management
 - Information Management
- The Scope of Information Management
 - IM Dimensions
 - IM Disciplines
 - Related Disciplines
 - Grouping Related Disciplines
 - A Stack View of IM
 - An IM Framework

IMF-01-02 Data Modeling and Metadata Management (87 min)

- Understanding the Data
 - Views of Data
 - Projects Flow
 - Describing the Data Meaning
 - Describing the Data Constraints
 - Describing the Data Relationships
 - Describing the Data
- Data Modeling
 - Data Modeling Defined
 - Data Modeling Purpose
 - Data Modeling Dependencies
 - Data Modeling and People
 - Kinds of Data Models
 - Data Modeling Processes
 - Entity-Relationship Modeling
 - Entities and Attributes
 - Relationships
 - Complete Set of Attributes
 - Normalization
 - Test Against Reality
 - Data Types and Indexes
 - Model Optimization
 - Dimensional Data Modeling
 - Meter and Measures
 - Dimensions
 - Dimension Hierarchies
 - Dimensions and Meter Association
 - Dimension Attributes
 - Star Schema Modeling

- Metadata Management
 - Metadata Defined
 - Metadata Purpose: Classify
 - Metadata Purpose: Describe
 - Metadata Purpose: Guide
 - Metadata Purpose: Control
 - Metadata Dependencies
 - Metadata Classification
 - Metadata Kinds
 - Metadata Management Processes
 - Metadata and IT Projects
 - Metadata and People
 - Metadata Organizations
 - Metadata Skills & Competencies
 - Metadata Architecture
 - Metadata Standards
 - Metadata Tools & Technologies

IMF-01-03 Content Management and Enterprise Information Management (59 min)

- Information Supply & Demand
 - Managing Information Supply & Demand
 - The Goal
 - Desired Outcomes
 - Data Resource Perspectives
- Content Management
 - CM Defined
 - CM and the Content Workflow
 - CM Purpose
 - CM Dependencies
 - CM Processes: Capture
 - CM Processes: Manage
 - CM Processes: Preserve
 - CM Processes: Deliver
 - CM and People
 - CM and Systems
- Enterprise Information Management
 - EIM Defined
 - Program vs. Discipline View of EIM
 - EIM Components
 - EIM and Architecture
 - EIM Dependencies
 - EIM Purpose
 - EIM Processes
 - EIM and Roles
 - EIM and People
 - EIM Technology

IMF-01-04 Data Quality and Data Governance (57 min)

- Data Utility
 - Introduction to Data Utility
 - Ensuring Data Utility
 - Roles of Data Quality and Data Governance
- Data Quality
 - Quality Defined
 - Data Quality Defined
 - Data Characteristics
 - Data Quality Dependencies
 - Purpose of DQM
 - Defect Free
 - Conformance to Specifications
 - Suitability to Purpose
 - Expectations & Needs
 - Data Quality Processes
 - Data Quality and People
 - Data Quality Projects
 - Data Quality and IS Projects
 - Data Quality Technology
- Data Governance
 - Data Governance Defined
 - Data Governance Dependencies
 - Data Governance Purpose
 - Data Governance Processes
 - Data Governance and People
 - Data Governance and Management
 - Data Governance and Technology

IMF-01-05 Data Integration, Data Warehousing and MDM (60 min)

- Data Resource Consolidation
 - The Data Resource
 - Disparate Data
 - Connecting Disparate Data
- Data Integration
 - Data Integration Defined
 - Data Integration Options
 - Data Integration Dependencies
 - Data Integration Purpose
 - Data Integration Processes
 - Data Integration Systems
 - Data Integration Technology
 - Data Integration Project Examples
 - Data Migration
 - Data Consolidation
 - Data Warehousing (Hub & Spoke)
 - Analytic Application
 - Other Approaches
 - Data Integration and People
- Data Warehousing

- Data Warehousing Defined
- Data Warehouse Defined
- Data Warehousing Architectures
- Data Warehousing Dependencies
- Data Warehousing Purpose
- Data Warehousing Processes
- Data Warehousing Projects
- Data Warehousing Systems
- Data Warehousing Technology
- Data Warehousing and People
- Master Data Management
 - Master Data Defined
 - MDM Defined
 - MDM Overview
 - MDM Purpose
 - MDM Dependencies
 - MDM Processes: Implementation
 - MDM Processes: Operations
 - MDM Architectures
 - MDM Technology
 - MDM and People

IMF-01-06 Business Intelligence, Business Analytics and Performance Management (34 min)

- Applied Information
 - Data vs. Information
 - Information and Systems
 - Using Information
- Business Intelligence
 - BI Defined
 - BI Redefined
 - BI Purpose
 - BI Dependencies
 - BI Technology
 - BI Processes
 - Pervasive BI
 - BI for Masses
 - Role Based BI
 - Advanced BI
 - BI and People
- Business Analytics
 - Business Analytics Defined
 - Business Analytics Purpose
 - Business Analytics Dependencies
 - Business Analytic Processes
 - Business Analytic Technology
 - Business Analytics and People
- Performance Management
 - BPM Defined
 - BPM Purpose
 - BPM Dependencies

- BPM Processes
- BPM Technology
- BPM and People

IMF-01-07 Data Mining and Predictive Analytics (14 min)

- Discovery and Inference
 - Learning the Unknown
 - From Data to Knowledge
- Data Mining and Predictive Analytics
 - Data Mining & Prediction Defined
 - Data Mining & Prediction Purpose
 - Data Mining & Prediction Dependencies
 - Data Mining & Prediction Processes
 - Data Mining Technology
 - Data Mining and People
- Information Management Professionals
 - The Roles of IM Disciplines
 - Careers and IM Disciplines
 - IM Opportunities