Module One

Architecture Concepts

- Architecture Defined
  - What is Data Warehousing Architecture?
  - Terminology Check
- Architecture & Methodology Working Together
  - Compatibility and Dependency
- Data Architecture
  - Data Structure
  - Data Flow
  - Data Integration
- Project Architecture
  - Top-Down vs. Bottom-Up
  - Hybrid Approaches
  - Kinds of Deliverables & Frequency of Delivery
- Architecture & Methodology Selection Factors
  - Overview
  - Strategic vs. Tactical Decision Support
  - Integration of Data
  - Structure of Data
  - Consistency of Metadata and Business Rules
  - Scalability and Expanding Scope
  - Persistence of Data
  - Sustainability and Adaptability to Change
  - Technology Requirements
  - Staffing and Skills Requirements
  - Time to Delivery
  - Cost to Deploy
  - Cost to Operate
  - Using the Factors
- Common Architectures and Approaches
  - Enterprise-Oriented Approaches
  - Data Mart-Oriented Approaches
  - Federated & Hybrid Approaches
  - Hybrid Example – Business Intelligence Roadmap
  - Twelve Factors Assessment

Module Two

Enterprise-Oriented Approaches

- Corporate Information Factory
  - Architecture Overview-Variation A
  - Architecture Overview-Variation B
  - Methodology Overview
  - Twelve Factors Assessment
  - For More Information
- Step-by-Step Data Warehousing
  - Architecture Overview
  - Full Methodology Overview
  - Project Methodology Overview
  - Twelve Factors Assessment
  - For More Information
- BI Pathways
  - Business Intelligence Architecture Overview
  - Data Integration Architecture Overview
Module Three
Data Mart-Oriented Approaches
- Data Warehouse Lifecycle
  - Architecture Overview
  - Methodology Overview
  - Twelve Factors Assessment
  - For More Information
- Rapid Data Marts
  - Architecture Overview
  - Methodology Overview
  - Twelve Factors Assessment
  - For More Information
- Collective Architecture Data Marts
  - Architecture Overview
  - Methodology Overview
  - Twelve Factors Assessment
  - For More Information

Module Four
Federation & Hybrid Approaches
- Federation
  - Architecture Overview
  - Methodology Overview
  - Twelve Factors Assessment
  - For More Information
- Hybrid Methods
  - Architecture Overview
  - Methodology Overview
- Hybrid Example – Business Intelligence Roadmap
  - Methodology Overview
  - Methodology Steps
  - Twelve Factors Assessment
  - For More Information

Module Five
Architecture and Methodology Decisions
- Methodology Selection
  - Evaluation Criteria
- Architecture Selection
  - Architecture and Methodology Assessment
  - Organizational & Environmental Factors
- Conclusions
  - Implications for Methodology, Technology, Project Mgmt., & ROI
  - Some Guidelines
  - Designing and Implementing a Unique Hybrid Approach

Appendices
Appendix A – Data Warehousing Methodology Articles
- Evaluating Data Warehousing Methodologies: Objectives and Criteria
- Evaluating Data Warehousing Methodologies: An Evaluation Process
• Implementing Data Warehousing Methodologies: Guidelines for Success

Appendix B – Twelve Factor Assessments
• Corporate Information Factory
  o Twelve Factors Assessment
• Step-by-Step Data Warehousing
  o Twelve Factors Assessment
• BI Pathway
  o Twelve Factors Assessment
• Data Warehouse Lifecycle
  o Twelve Factors Assessment
• Rapid Data Marts
  o Twelve Factors Assessment
• Collective Architecture Marts
  o Twelve Factors Assessment
• Federation
  o Twelve Factors Assessment
• Hybrid Methods
  o Twelve Factors Assessment

Appendix C - Bibliography and References