Course Outline

Module 1: The Current State of Data Governance

Current Definitions: Assets, Management, and Policies
Current Focus
- Decision Rights
- Policy and Enforcement

Current Organizations
- Organization Structure
- Roles

Current Processes
- Policy Making
- Issue Resolution and Change Control

Why Data Governance Innovations
- Driving Forces
- Evolving Definition and Purpose
- From Decision Rights to Decision Models
- From Enforcement to Prevention
- From Bureaucracy to Flexibility
- From Rigor to Agility

Areas of Innovation: From Current State to Future State

Module 2: Agile Data Governance

Agile Development
- Agile Process and Values
- Test-Driven Development

Agile Teams: Two Levels
Agile Projects
- Agile Projects and Governance Goals
- Agile Projects and Data Stewardship
- Agile Projects and Data Governance Services

Agile Culture
- Agile Culture and Governance Roles
- Agile Culture and Decision Processes

Agile Governance: Governing with Agility

Module 3: Big Data Governance

Big Data Basics
- Big Data Defined
- Big Data Sources
- Big Data Characteristics
- Data Governance Needs

Big Data and Governance Goals
- Security and Privacy
- Quality
- Compliance
- Integration
- Metadata
- Retention and Disposal
- Value and Risk

Module 4: Cloud Data Governance

Cloud Data Basics
- Data Options in the Cloud
- Changing the Data Governance Landscape

Cloud Data and Data Governance Goals
- Security and Privacy
- Quality
- Compliance
- Integration
- Disaster Recovery
- Data Asset Value

Migrating to the Cloud: Data Governance Roles

Module 5: Metadata and Governance

Metadata Basics
- Metadata Defined
- Purposes of Metadata
- Metadata Benefits
- Metadata and Data Lifecycles

Metadata Types
- The Scope of Metadata
- Business Metadata
- Design Metadata
- Implementation Metadata
- Operations Metadata

Metadata Processes: Metadata Management Activities
Metadata Challenges

- Metadata Management Issues
- Metadata Disparity and Disintegration
- Big Data and Metadata
- Cloud Data and Metadata

Metadata Governance: Governance for Metadata

Module 6: Ethics, Social, Mobile and Governance

Ethics and Data Governance

- Why Ethics Matters
- Data and Ethics
- BI and Ethics
- Managing Ethics in Business

Mobile Technology and Data Governance

- Governance Risks
- Governance Opportunities

Social Media and Data Governance

- Governance Risks
- Governance Opportunities

Module 7: Contemporary Governance Techniques

Data Governance Zones: Data Variety and Pragmatic Governance
Flat Governance Organizations

- Simplify for Agility
- Embedded Governance

BI for Governance

- Applying BI Concepts for Data Governance
- Measuring and Monitoring Governance

Technology for Governance: Opportunities and Applications

Module 8: Summary and Conclusion

Summary of Key Points: A Quick Review
References and Resources: To Learn More