



College of Information Studies

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# Data Architecture

Session 34

INST 346

Technologies, Infrastructure and Architecture

# Goals for Today

- Finishing up Information Architecture
- Data Architecture
- Quiz

# Information Heterogeneity

- Types
  - Data, documents, multimedia, interactive sys
- Sources
  - Internal, External
- Status
  - Ephemeral, operational, archival

# (Logical) Data Architecture

- Enterprise-wide data model
- Common data element definitions
- Common data element representation
- Enterprise-wide data flows
- Enterprise-level data stewards

# Enterprise Data Modeling

- Bottom-up
- Aggregated
  - Enterprise, Business areas, Applications
- Multi-scale
  - Strategic, Tactical
- Requirements-driven
  - Transactions, Analysis, Reuse

# Enterprise Subject Area Model

