Creating and Managing Enterprise Information Assets

**Prerequisites:**

* Basic computer science principles and skills
* Enterprise architecture modeling
* Business process modeling

**Courses:**

* System Analysis&Organization Design
* Enterprise Architecture Modeling
* Advanced Data Analysis&Big Data for Business Intelligence

An information asset can be defined as a body of knowledge that is organized and managed as a single entity. Nowadays information becomes one of the most valued enterprise assets. Proper governance of information becomes a critical success factor.   Determining the value of information is a necessary component of asset management.

Enterprise iinformation asset comprises a wide range of corporate product, service and process information and organizes information that is valuable and easily accessible to those who need it.  The financial value of information asset increases in direct relationship to the number of people who are able to make use of the information.

The course gives students understanding of the role and types of enterprise information assets, discusses the life cycle of information assets. The course considers questions of data governance, organizational levels and roles for implementing data governance and potential barriers to progress in implementing data governance in organization.

A special part of the course is devoted to the Big Data governance and their evaluation as an information asset, business outcomes.

Topics include:

* **Enterprise Information Assets:** End User (external) Information Assets, End User (internal) Information Assets, Business Process Information Assets, Client Staff Information Assets, information assets creation and management
* **Data Governance:** Data Management Planning (Data Management Professional Organizations, Data Governance & Stewardship Organizations,  Identifying and Appointment of Data Stewards, Identifying of Strategic Enterprise Data Needs, Development and Maintenance of  the Data Strategy, Data Policies, Standards and Procedures, Reviewing and Approving of Data Architecture, Data Management Projects and Services, Data Asset Value and Associated Costs); Data Management Supervision and Control (Data Management Professional Staff and Organizations, Coordination of Data Governance Activities, Management and Resolving of  Data Related Issues, Regulatory Compliance Monitoring  and Ensuring, Communicate);
* **Big Data Governance:** Big Data Types (web and social media, machine-to machine data, big transaction data, biometrics data, human-generated data), organizing for Big data governance, metadata, Big Data privacy,  Big Data quality, managing the life-circle of Big Data, business process integration.

1. [Sunil Soares](http://www.amazon.com/Sunil-Soares/e/B004780W4K/ref=ntt_athr_dp_pel_1" \t "_blank). Big Data Governance: An Emerging Imperative Paperback, MC Press Online LLC, 2012
2. Timothy D. Wells, Christine Sevilla  Maximizing The Enterprise Information Assets, CRC press LLC, 2003
3. DAMA-DMBOK GuideTM (Data Management Body of Knowledge). Technics publications, LLC, 2009