LIS S402 Data Curation and Management

3 credits

Course Description:
This course introduces concepts of data curation and management with applications. Students explore the characteristics of data and data-curation lifecycle activities, such as the design of data through content-creator management, metadata creation, entry into a database system or a repository, access policies and implementation, and data reuse.

Representative Resources:
- Research Data Curation Bibliography: [http://digital-scholarship.org/rdcb/rdcb.htm](http://digital-scholarship.org/rdcb/rdcb.htm)

Student Learning Outcomes: (Revised Bloom’s taxonomy level)
Upon completion of this course, students will

1. Recognize the urgency of and need for long-term data curation in public and private venues. (3)
2. Understand the characteristics of various data types generated and used by a variety of disciplines, subdisciplines, research communities, and government organizations. (2)
3. Understand both theoretical and practical issues in data curation from a range of perspectives. (2)
4. Describe data curation concepts, terms, tools, and technologies. (2)
5. Identify the activities associated with each stage of the data curation lifecycle and their social, legal, ethical, and policy implications. (3)
6. Understand roles and responsibilities for data curators. (2)
7. Understand critical issues associated with the storage, backup, and security of data. (2)

Learning assessments:
- Class discussion 10%
- News report 10%
- Curation approach 20%
- Curation profile exercises 20%
- Final papers 40%