A. Catalog Description


B. Course Overview

The class is designed to provide hands-on learning experiences to students, with real-world environments and examples that touch on significant areas of digital curation. Selected topics will be chosen to allow students to find and explore best current practices in the use of representative tools. There will be assigned readings each week with opportunities to experiment with software environments and manage data and records. Due to the rapidly evolving nature of the field, the tools and topics will reflect current trends.

Possible topics include:
- Ingest and accessioning tools
- Content management systems: Fedora, iRODS, others.
- Digitization and OCR workflows
- Working with search engines: Solr
- File conversion and information extraction services
- Crowdsourcing strategies
- Visualization techniques: Tableau, Gephi, etc.
- Modeling records with graph databases: neo4j, etc.
- Working with spatial data: ArcGIS, QGIS, etc.
- Preservation tools: Archivematica, etc.
- Social media accessioning and preservation: twitter, etc.
- Standards and formats in digital curation: XML, JSON, etc.

The instructor will also poll students at the start of the program in June to better assess technology area interests.

C. Learning Outcomes

Upon completion of this course students will be able to:
- Demonstrate familiarity in the curation of digital records and data.
- Understand and evaluate digital curation systems.
- Demonstrate knowledge of major classes of digital curation environments.