Course description:
An introduction to principles and practices of information analysis, description, access, control, and organization. Focuses on the representation of information through metadata records, indexes, and abstracts. Examines the operations, process, tools, and methods for describing and organizing information sources; application of standards of both name and subject access points; as well as information storage systems.

Course Objectives:
LIS 602 is a core course in the SLIS curriculum. As such, it is designed to provide students with a solid foundation to build upon in other courses and as information professionals. By the end of the semester students will have demonstrated a clear understanding of the basic principles and practices of information representation, organization and access and control. To this end, the structure of information surrogates, indexing, thesauri, natural language systems, catalogs and files, and information storage systems will be examined.

Topics covered

Topic 1: Overview of Information representation and access

Topic 2: Subject Analysis, Indexing & Abstracting

Topic 3: Vocabulary control and Thesaurus Construction

Topic 4: Systems for Categorization & Classification

Topic 5: Information Representation and Formatting: metadata schemas, ISBD, AACR, Dublin Core, MODS, RDA

Topic 6: Encoding Standards for Document Representation, MARC, RDF/XML

Topic 7: Name Access Points & Name Authority Control: AACR & others

Topic 8: Information Systems; Databases; and Bibliographic systems

Topic 9: System design and implementation

The number of possible topics that might be covered in a course of this nature is large. However, it is the faculty’s primary objective to encourage the students’ mastery of the main concepts, the specific implementations of those concepts, and their ability to discuss and write about those concepts in a manner suitable for a master’s level course. We believe strongly that students should integrate the main themes and be able to project the utility and significance of those themes to their
career and profession, and to be able to grow in the field as new challenges arise in information representation and access.

**Textbook:**
The required text for this course is:


Additional readings from the literature also will be assigned, and most are accessible via the Internet.

Class calendar, assignments, and miscellaneous course materials are available through Blackboard (https://elearning.uky.edu)

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**GENERAL COURSE POLICIES (School of Library and Information Science)**

Adopted May 2009

[http://www.uky.edu/CIS/SLIS/academics/policies.pdf](http://www.uky.edu/CIS/SLIS/academics/policies.pdf)

*Academic integrity*
*Excused absences*
*Incompletes*
*Academic accommodations due to disability*
*Integration of Syllabus with UK Educator Preparation Unit Themes*
*Integration of the Syllabus with the Themes of Diversity, Assessment, and Technology*

**In addition:** Papers or assignments prepared for other classes may not be used to fulfill the requirements of this class.