ORGANIZATION OF KNOWLEDGE II
SYLLABUS

COURSE DESCRIPTION

In-depth coverage of the theories and practice of bibliographic description and subject analysis. Covers the organization of both print and electronic information, and authority control. Emphasis is on problems in practice, special case studies, current issues and future trends of description, subject analysis and online authority control. Also includes discussion and application of current methods in resource description and knowledge organization such as Dublin Core metadata, TEI headers, EAD, and recent developments of RDA. Prerequisite: LIS655.

COURSE ORIENTATION

While students who intend to work in the area of resource description (e.g., cataloging, metadata), subject access, subject categorization and classification, and/or online catalog maintenance and quality control will find this course desirable, it is designed also for those who are interested in online systems development and maintenance and for those who will engage in service areas such as user services, collection development, archive management, and serials control, which rely heavily on the contents of integrated online systems. Another objective of this course is to provide a foundation for those interested in the description and organization of electronic resources.

COURSE OBJECTIVES

* To provide advanced studies in resource description and subject analysis in catalogs and databases
* To provide instruction in authority control in databases based on Anglo-American Cataloguing Rules (AACR2R) and MARC 21 Formats
* To provide an understanding and instruction in the application of metadata standards and encoding schemes, including AACR2R, MARC 21 Formats, Dublin Core, EAD, ONIX, VRA, etc. for the description and representation of electronic resources
* To help students become familiar with standards and tools for subject analysis
* To help students develop advanced skills in the application of subject analysis tools, with special emphasis on Library of Congress Classification and Library of Congress Subject Headings
* To provide an overview of subject analysis systems such as FAST (Faceted Application of Subject Terminology), the Universal Decimal Classification, National Library of Medicine Classification, Medical Subject Headings (MeSH), and schemes for categorization or classification of electronic resources

EXERCISES

Practical exercises will be distributed in class. Each exercise should be completed on the date specified. The exercises will not be graded but will be used as basis for discussion in class.

EVALUATION: Your final grade will be based on the following tests/papers:

  Subject Headings - 20%
  Classification - 20%
  Name authority control - 10%
  Cataloging/description of electronic resources - 25%
  Project: metadata schemas/controlled vocabularies – 25%

LIS656 Spring 2011
I. Subject Analysis and categorization
   A. Subject approach to information
      Analysis of subject content of documents
      Facet analysis and synthesis (pre- and post-coordination)
   B. Verbal representation
      Languages - natural, keyword, descriptors, subject headings
      Vocabulary control - terminology, forms, references
   C. Notational representation
      Notation - pure, mixed
      Characteristics - hierarchical, expressive
      Synthesis vs. enumeration

II. Controlled vocabulary and Subject Analysis and Representation
   A. Introduction
      1. Brief history and objectives
      2. Need for a controlled vocabulary
   B. Library of Congress Subject Headings
      1. Principles
      2. Forms of headings
      3. Subdivisions
      4. Syndetic devices
      5. Headings omitted from LCSH
      6. Application
   C. FAST (Faceted Application of Subject Terminology)
   D. Other indexing vocabularies and systems

III. Classification and subject categorization
   A. Historical development
   B. Principles
   C. Library of Congress Classification
      1. History
      2. Principles and general characteristics
      3. Notation
      4. Tables
      5. Individual classes
D. Other modern library classification and categorization systems
   1. Dewey Decimal Classification, Edition 22
   2. Universal Decimal Classification
   3. National Library of Medicine Classification (NLM)
   4. MeSH Tree Structures

E. Subject categorization of web resources

Description and Encoding

I. MARC 21 formats

II. Metadata Schemas
   A. DC (Dublin Core)
   B. CSDGM (Content Standards for Digital Geospatial Metadata)
   C. VRA (Visual Resources Association) Core
   D. EAD (Encoded Archival Description)
   E. TEI (Text Encoding Initiative) headers
   F. ONIX (Online Information Exchange)
   G. GILS (Global Information Locator Service)
   H. MODS (Metadata Object Description Schema)
   I. CDWA (Categories for the Description of Works of Art)
   J. Other standards (see http://www.slis.kent.edu/~mzeng/metadatabasics/standards.htm)

III. Name Authority control - AACR2R
   A. Personal names
   B. Geographic names
   C. Corporate names
   D. Uniform titles

IV. Bibliographic description of electronic resources - AACR2R and Dublin Core

V. RDA (Resource Description and Access)
INSTRUCTIONAL MATERIALS

STANDARDS

Anglo-American Cataloguing Rules. 2nd ed., 2002 revision. Prepared under the direction of the Joint Steering Committee for Revision of AACR, a committee of the American Library Association, the Australian Committee on Cataloguing, the British Library, the Canadian Committee on Cataloguing, Chartered Institute of Library and Information Professionals, the Library of Congress. Chicago: American Library Association, 2002 (including 2003-2004 updates)


Library of Congress Classification

Library of Congress Subject Headings.


TEXTBOOKS

Anglo-American Cataloguing Rules. 2nd ed. 2002-2004 revisions. (Required)


SUPPLEMENTARY READINGS


GENERAL COURSE POLICIES (School of Library and Information Science)
Adopted May 2009
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 cannot be used to fulfill the requirements of this class.