

## **LIS Library and Information Science**

### **LIS 510 CHILDREN'S LITERATURE AND RELATED MATERIALS. (3)**

A survey of children's literature, traditional and modern. Reading and evaluation of books with multimedia materials with emphasis on the needs and interests of children. Covers media for use by and with children from preschool through grade six.

### **LIS 514 LITERATURE AND RELATED MEDIA FOR YOUNG ADULTS. (3)**

A study of literature and related materials for use with young people in grades 6-12. Emphasis is placed on the special characteristics and needs of young people and the evaluation of materials for this age group.

### **LIS 600 INFORMATION IN SOCIETY. (3)**

An introduction to the nature of information (both utilitarian and aesthetic) in contemporary society, and to the role played by libraries and other information organizations in disseminating that information. Emphasis is on developing perspective.

### **LIS 601 INFORMATION SOURCES AND SERVICES. (3)**

An introduction to basic information sources and services provided by libraries and information organizations. Consideration is also given to the ethics of information services, the user-system interface including question-negotiation and the formulation of effective search strategies, and the evaluation of information sources and information services.

### **LIS 602 INFORMATION STORAGE AND RETRIEVAL. (3)**

An introduction to principles and practices of information analysis, organization, storage, retrieval and dissemination. Examines the structure of bibliographic records, indexing processes, indexing languages, catalogs and files, storage media, retrieval strategies and information delivery systems.

### **LIS 603 MANAGEMENT IN LIBRARY AND INFORMATION SCIENCE. (3)**

An introduction to the basic elements of management and how these are applied to the effective administration of information systems. Focus will be placed on two major roles in a system, the person who is supervised as well as the manager or supervisor. Examination of the functions of planning, organization, staffing and controlling as well as the theories of management and the effective use of these in an information system.

### **LIS 604 LIBRARY AND BOOK HISTORY. (3)**

Development of libraries and books from earliest time to the present with special reference to their relationship to contemporary social, economic, cultural and political trends. Emphasis is given to American library and book history.

### **\*LIS 605 INFORMATION POLICY AND TECHNOLOGY REGULATION. (3)**

Examination of the three models of regulation by which society govern communication and information, and the problems and opportunities brought about by technological changes to media. Prereq: LIS 600 or consent of instructor.

**LIS 608 METHODS OF RESEARCH IN LIBRARY AND INFORMATION SCIENCE. (3)**

Basic tools, techniques and methods of research. Consideration is given to the role and purpose of research in library and information science and its relationship to research in other disciplines. Includes critical evaluation of current research in library and information science and the development of a research proposal. Prereq: LIS 601, LIS 602 or consent of instructor.

**LIS 609 CURRENT PROBLEMS IN LIBRARY AND INFORMATION SCIENCE. (3)**

A seminar which examines current philosophical and managerial issues in library and information science. Focus is on the analysis, origins, evaluation and current status of these issues. Prereq: Eighteen hours of graduate study in LIS or consent of instructor.

**LIS 611 CRITICAL ANALYSIS OF CHILDREN'S LITERATURE. (3)**

Advanced study of book evaluation, literary criticism, children's book publishing, awards, and current trends in the field. Individual projects require extensive critical reading. Prereq: LIS 510 or LIS 613 or consent of instructor.

**LIS 613 INFORMATION RESOURCES AND SERVICES FOR CHILDREN. (3)**

A study of effective programming for children and young adults. Emphasis is placed on oral presentations. Literature-based activities and community outreach. Prereq: LIS 510 or consent of instructor.

**LIS 615 PROSEMINAR IN COMMUNICATION AND INFORMATION SYSTEMS. (3)**

This course is an introductory graduate-level survey of theory and research on human communication mediated by communication and information technologies. This course is designed to cover the areas not typically addressed in traditional courses of mass or interpersonal communication, including theory and research on the use of computers and electronic communication over a variety of communication and information systems. Prereq: Graduate standing or consent of instructor. (Same as CJT 615.)

**LIS 622 SOCIAL SCIENCE INFORMATION. (3)**

Examination of important issues and developments relating to creation, packaging, dissemination and use of social science information by various segments of society. Emphasis on understanding information needs of those who use social science information and information systems, source and services available to satisfy those needs. Prereq: LIS 601 or consent of instructor.

**LIS 623 INFORMATION IN THE HUMANITIES. (3)**

The content and structure of bibliographic and other information resources in the humanities. A consideration of formal and informal communication within the humanities with emphasis on information sources and services in religion, philosophy, literature, linguistics, visual arts, music, dance, theatre, film and other closely related subjects. Prereq: LIS 601 or consent of instructor.

LIS 624 INFORMATION IN  
SCIENCE AND TECHNOLOGY. (3)

The content and structure of bibliographic and other information resources in science and technology. A consideration of formal and informal communication in science and technology with emphasis on sources and services in agriculture, astronomy, biology, chemistry, mathematics, natural resources, zoology, and other closely related subjects. Prereq: LIS 601 and LIS 602 or consent of instructor.

LIS 625 INSTRUCTIONAL SERVICES. (3)

Examines instructional services that libraries and other information-related organizations offer their clients to provide them with the knowledge and skills they need to effectively use information resources. Attention is given to the nature of instructional services, the instructional needs of clients, information literacy, methods of instruction, teaching and learning styles, instructional design and the evaluation of students and instruction. Prereq: LIS 601 or consent of instructor.

LIS 630 ONLINE INFORMATION RETRIEVAL. (3)

This course examines online information retrieval processes and services. It emphasizes searching commercially available online retrieval systems and databases and focuses on two major components of electronic searching strategies: the knowledge about system structure of electronic databases and the various strategies, models and approaches to online searching. The course contents cover the pre-search interview, query analysis, database selection, search strategy development, online protocol, and evaluation of search results. Current status of and future trends in the online industry are also discussed.. Prereq or concur: LIS 601, LIS 602 or consent of instructor.

LIS 636 FOUNDATIONS OF  
INFORMATION TECHNOLOGY. (3)

A study of the computing fundamentals necessary for the understanding and use of information technology. Focus is on examining computer systems in concept and practice, which is essential to information professionals. Topics include how computers represent, process, store and retrieve information; how operating systems control these processes, interpret commands, present the user interface, and run applications; how databases are designed and created; how general understanding of programming processes and productivity software skills is important in a variety of professional contexts. Productivity applications include the Office suite, Internet applications and web publishing, and database management systems.

LIS 637 INFORMATION TECHNOLOGY. (3)

Study of computer and communication technology used in modern information storage and retrieval systems. Consideration also given to managing microcomputer services, hardware evaluation and selection, and system security. Prereq: Consent of instructor. (Same as CJT 637.)

LIS 638 INTERNET TECHNOLOGIES  
AND INFORMATION SERVICES. (3)

A course examining the structure, development and evolution of the Internet; network protocols and client/server architecture issues; Web page design, authoring, and evaluation; the use of the Internet as an information storage and retrieval system; recent advances in HTML and scripting languages; and Internet related social issues such as censorship and copyright. Prereq: LIS 636 or consent of instructor. (Same as CJT 638.)

LIS 639 INTRODUCTION TO  
MEDICAL INFORMATICS. (3)

This course is designed to introduce the interdisciplinary field of medical informatics to health information professionals. Medical Informatics is a developing field that essentially seeks to apply information and computing technologies to improve all aspects of healthcare, including patient care, research, and education. During the semester we will explore a number of topics central to understanding the field, including: the nature of biomedical information, the electronic medical record, the role of information and computing technologies to support clinical decision making, healthcare and informatics standards, information retrieval, system analysis and technology assessment, and essential issues of information technology in medical education and medical ethics. By the end of this Web-based course, students are expected to be able to understand broad aspects of the field and can use this as a foundation for further education, training, and work in health information professions. (Same as CJT 639.)

LIS 640 HEALTH SCIENCES LIBRARIES. (3)

A survey of health sciences libraries and information agencies, including coverage of topics related to: the healthcare community and their information needs, information resources in the health sciences, controlled medical terminologies and classification systems, search and retrieval of various information resources, issues in the management of collections and access in health libraries, and current trends and issues. Prereq: LIS 601 and LIS 602 or consent of instructor. (Same as CJT 640.)

LIS 641 LAW LIBRARIANSHIP. (3)

A study of the materials of legal research and reference work. Emphasis is placed on the methods of effective research and the actual use of legal materials in the solution of practical reference problems. The selection, cataloging, classification, and storage of materials in a law collection are considered. The specialized requirements of law librarianship and law library administration are treated. Prereq: LIS 601 and LIS 602 or consent of instructor.

#LIS 642 ORAL HISTORY. (3)

This course is an introduction to oral history as a research methodology and its role in library and archives collections. It is designed for persons intending to conduct oral history interviews to expand library and archival collections. It is also for persons responsible for the archival management of oral history collections. The course examines how oral history projects are initiated, how projects are administered, how interviews are conducted, and how oral history interviews are preserved and made available to researchers. The course will also explore the use of technology in making oral histories available to researchers on the Web. Students will gain

practical experience in oral history interviewing and related aspects of oral history, such as transcribing, editing, and publishing oral histories. Taught essentially same as EPE 669.

LIS 643 ARCHIVES AND  
MANUSCRIPTS MANAGEMENT. (3)

This course is designed to cover the management, care, and servicing of manuscript and archival material. Attention will also be given to criteria for building an archival/manuscript collection in a repository and to the description and interpretation of its holdings in guides and catalogs for the use of researchers. Prereq: LIS 602 or consent of instructor.

LIS 644 ADMINISTRATION OF SCHOOL  
LIBRARY MEDIA CENTERS. (3)

Examines the philosophy behind current national and state guidelines for library media programs and addresses the roles of library media professionals in program and resource management in the K-12 school setting. Students will work on their individual exit portfolios and plan a practicum experience to meet requirements for performance-based certification by the Kentucky Department of Education. Prereq: May be taken concurrently with last requirements or following completion of all requirements (with the exception of LIS 676) for certification as school media librarian.

LIS 645 PUBLIC LIBRARIES. (3)

Examines historical development of the public library and its roles in society. Topics considered include the environment of public libraries; organization and management; information needs of client groups; information resources and services provided to clients; and trends developments in public libraries. Prereq: LIS 601 and LIS 602 or consent of instructor.

LIS 646 ACADEMIC LIBRARIES. (3)

Examines historical development of academic libraries and their roles in higher education. Topics considered include the environment of academic libraries, organization and management needs of client groups, information resources and services provided clients; and issues, trends, and developments in academic libraries. Prereq: LIS 601 and LIS 602 or consent of instructor.

LIS 647 CURRENT TRENDS  
IN SCHOOL MEDIA CENTERS. (3)

An intensive study of trends in school media centers with emphasis on research, technology, and the role of the school media specialist in the school curriculum.

#LIS 648 TECHNOLOGY IN  
THE SCHOOL MEDIA CENTER. (3)

Consideration of new and emerging educational technologies that could be integrated into school curriculum. Includes hands-on experiences as well as critical reading and discussion on current issues relating to educational technology and the role of the media specialist in technology integration.

LIS 650 TECHNICAL PROCESSING SYSTEMS. (3)

A survey of manual and computer-based technical processing systems in libraries. Consideration given to circulation, acquisitions, cataloging and serial control systems. Trends and developments

in technical processing, files and records management, and technical processing procedures and activities are examined. Prereq: LIS 602 or consent of instructor.

**LIS 653 PRESERVATION MANAGEMENT. (3)**

Considers the many facets of paper, non-print, and digital preservation with the aim of providing the knowledge and awareness necessary to be able to incorporate preservation principles, concepts, and practices into all aspects of library and information center management. Includes hand-on experience.

**LIS 655 ORGANIZATION OF KNOWLEDGE I. (3)**

Theories and practice of bibliographic description and subject analysis. Covers the organization of both print and electronic information, including use of Anglo-American Cataloging Rules, Dewey Decimal Classification, Library of Congress Classification and Library of Congress Subject Headings. Prereq: LIS 602 or consent of instructor.

**LIS 656 ORGANIZATION OF KNOWLEDGE II. (3)**

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. Prereq: LIS 655. or consent of instructor

**LIS 659 COLLECTION DEVELOPMENT. (3)**

Intellectual and administrative aspects of building, maintaining and evaluating library collections. Topics include: library cooperation; national standards; the writing and implementation of collection policies; strategies of selection and evaluation; contemporary publishing and the book trade.

**LIS 668 INFORMATION SYSTEMS DESIGN. (3)**

Study of concepts and methods of information system design and development with particular relevance to library and information center applications. Emphasis is given to modeling of system functions, data, and processes of computer-based information systems including the development of small scale information systems. Prereq: LIS 636 or consent of instructor. (Same as CJT 668.)

**LIS 675 PROFESSIONAL FIELD EXPERIENCE. (3)**

Professional field experience in a library or other information-related organization. Student assumes entry level professional duties and responsibilities in an operational setting under the close supervision of an information professional. Available only to those students lacking similar experience and may not be repeated. Requires minimum of 140 hours of experiential learning, and the completion of a term paper or special project under the direction of the course coordinator. Prereq: Completion of 18 hours of graduate work in library and information science and consent of course coordinator.

**LIS 676 SCHOOL MEDIA PRACTICUM. (1-12)**

Supervised experience at the elementary and secondary levels in school library media centers. Required for students seeking certification as school/media librarians in Kentucky. Experience will

be under the joint supervision of college faculty and cooperating media librarians. Prereq: Admission to Teacher Education Program and consent of instructor.

**LIS 690 SPECIAL TOPICS IN LIBRARY  
AND INFORMATION SCIENCE. (1-3)**

Intensive study of one aspect of library and information science under the leadership of an authority in the area. May be repeated to a maximum of six semester hours when topics vary. (Same as CJT 690.)

**LIS 695 INDEPENDENT STUDY IN LIBRARY  
AND INFORMATION SCIENCE. (3)**

Opportunities for directed study in subjects or problems of interest to a student. Observation and research required, and a written report describing the work accomplished. Prereq: Consent of instructor.

**LIS 748 MASTER'S THESIS RESEARCH. (0)**

Half-time to full-time work on thesis. May be repeated to a maximum of six semesters. Prereq: All course work toward the degree must be completed.

**LIS 768 RESIDENCE CREDIT  
FOR THE MASTER'S DEGREE. (1-6)**

May be repeated to a maximum of 12 hours.