LIS 2000 - UNDERSTANDING INFORMATION

Issues and problems arising from interrelationships among information and individuals, society, organizations and systems, and information that the information professions address. Required for ALL students enrolled in the MLIS Program.

LIS 2001 - ORGANIZING INFORMATION

Introduction to basic concepts, principles, and practices of information organization in diverse environments. Includes: terminology and models of organizing information; nature of user information needs and implications for information organization; principles of information representation, authority control, subject analysis, classification, controlled vocabularies and natural language, standards and display of information. Required for all MLIS students except students declared in the Archives & Records Management Specialization.

LIS 2002 - RETRIEVING INFORMATION

Overview of information retrieval (IR) process from creating information resources to delivery of information to the user. Theory and practice of understanding various users of information and their information needs; identifying appropriate resources from the range of types and formats available; formulating retrieval strategies; and identifying information appropriate to the user. Required for all MLIS students except students declared in the Archives & Records Management Specialization.

LIS 2110 - ACTION RESEARCH: METHODS AND APPLICATIONS

The design, analysis, and evaluation of action research; the application of research models to practical problems in libraries and other information centers. Topics include community analysis, grant writing, and the evaluation of library services.

LIS 2184 - LEGAL ISSUES IN INFORMATION HANDLING

Concepts, legislation, and case law about censorship, freedom of access to information, privacy, copyright, professional liability, and other issues. Legal implications and safeguards.

LIS 2186 INFORMATION POLICY

Introduction to information policy with a focus on U.S. Federal policies. Issues and challenges faced in developing and implementing policies within organizations and companies, including the protection and use of intellectual property, First
Amendment concerns, access to public information, security and the protection of privacy of personally identifiable information. (Cross listed with INFSCI 2220 and TELCOM 2512)

LIS 2194 - INFORMATION ETHICS

Ethics as a prelude to learning the skills of ethical decision-making and, then, to applying these skills to the real and current challenges of the information professions. Decision-making and challenges related to information sources and services in all formats and media; to the Internet and other digital sources (cyberethics); and to information-related topics in management. (Cross listed with INFSCI 2210 and TELCOM 2515)

LIS 2214 - LIBRARY AND ARCHIVAL PRESERVATION

Introduces the preservation and conservation of library and archival collections. Basic foundation in theoretical, managerial, analytical, and practical applications of preservation.

LIS 2215 - PRESERVATION MANAGEMENT

Methods of integrating and implementing preservation activities and programs in library and archival settings, based on a knowledge of preservation history, operations, and current issues. Understanding the complexities of practical applications; combining management ideals with less-than-ideal institutional environments. (Prerequisite: LIS 2214)

LIS 2216 - COLLECTIONS CONSERVATION

Students learn to execute conservation treatments for endangered research materials, prepare materials for outsourcing and protect paper, photograph, and moving image collections.

LIS 2220 – ARCHIVES AND RECORDS MANAGEMENT

Introduction to the essentials of records and knowledge management in diverse organizational settings. Organizational theory and how this relates to the history and development of record keeping systems, electronic records management and the advent of new technologies, and the place of records and knowledge management in the information professions. Theoretical principles, methodologies, and practical administration of archives, records, and other information sources from print to oral (encompassing explicit and implicit knowledge) contributing to the management of knowledge necessary for organizations and society. Required for students declared in the Archives & Records Management Specialization.

LIS 2222 - ARCHIVAL APPRAISAL

Advanced analysis of the basic theories, principles, techniques, and methods that archivists and records managers use for identifying and selecting (appraising) records with continuing or enduring value to records creators, researchers, and society. Comparison and contrast to related activities in other fields, such as library collection management and development, museum artifact selection, and the analysis of documentary evidence by historians and other researchers. (Prerequisite: LIS 2220)

LIS 2223 - ARCHIVAL ACCESS, ADVOCACY AND ETHICS

Orientation to the ways in which archivists and other records professionals provide access to their holdings, advocate for their programs and societal mission, and the ethical and other challenges they face in carrying out such functions. Provides historical, theoretical and practical orientation to access, advocacy, and ethical matters. (Prerequisites: LIS 2220) - Only students declared in the Archives & Records Management Specialization can fulfill the information retrieval requirement with this course. Other students may take this course as an elective.

LIS 2224 - ARCHIVAL REPRESENTATION

Introduction to the theoretical foundations, history, principles, and research surrounding the representation of archival materials. Examination and analysis of issues of effectiveness, economics, and audience surrounding different types of surrogates for archival collections including: guides, calendars, finding aids, (in paper form and on-line), bibliographic records themselves, issues of context, appropriate levels of control, selection, and interpretation. (Prerequisite: LIS 2220) - Only
students declared in the Archives & Records Management Specialization can fulfill the information organization requirement with this course. Other students may take this course as an elective.

LIS 2225 - MUSEUM ARCHIVES

Overview of the evolution of the purposes of museums; history and development of museum record keeping systems, with particular emphasis on changes in those systems in transition from paper-based to electronic records, use of functional analysis to identify principle functions of museums and to guide the appraisal of records that document those functions.

LIS 2226 - MOVING IMAGE AND SOUND ARCHIVES

Introduction to issues and challenges in preserving moving images and sound material including development of film and sound archives in the 20th and 21st centuries; technological history of moving image and sound recording media; basics of film and magnetic media care and handling; methods and approaches to preservation and restoration; ethics of restoration; digitization and digital preservation of audiovisual media; systems of description and retrieval; appraisal methodology and practice; and ways of providing access while respecting preservation imperatives.

LIS 2280 - HISTORY OF BOOKS, PRINTING, AND PUBLISHING

The development of the book in its many forms in relation to contemporary society, education, and culture. Manuscript origins, the nature and development of the printing process, the reading public, the book trade, binding, and book illustration.

LIS 2322 - RESOURCES FOR CHILDREN

Survey of literature, film, video, and other formats for children from infancy to adolescence with an emphasis on contemporary sources. Critical evaluation of materials for use in a multicultural society and strategies to encourage the use of those materials by children and those who work with children.

LIS 2323 - RESOURCES FOR YOUNG ADULTS

Survey of literature, periodicals, video, and other formats of interest to and importance for young adults with an emphasis on contemporary sources. Critical evaluation of materials for use in a multicultural society and strategies to encourage the use of those materials by young adults and those who work with young adults.

LIS 2324 - HISTORY OF CHILDREN'S LITERATURE

Introduction to literature for children from the Anglo-Saxon period in England through the 19th century in England and America. Emphasis on social and cultural history as reflected by literature for young people.

LIS 2325 - CURRICULUM RESOURCES AND SERVICES IN THE SCHOOL LIBRARY MEDIA CENTER

Integration of library media center collections and services into the curriculum. The teaching roles of the school library media specialist.

LIS 2326 - STORYTELLING

The historical role of the storyteller as preserver of culture and the contemporary role as performer in the context of traditional and contemporary sources of stories and techniques of presentation.

LIS 2328 - INFORMATION LITERACY RESOURCES AND SERVICES IN SCHOOL LIBRARY MEDIA CENTERS

Overview of information seeking behaviors of students and teachers in the K-12 school library environment; services and resources that directly support information literacy skills instruction; policies that guide the use of information by students and teachers.

LIS 2329 - SPECIAL EDUCATION RESOURCES AND SERVICE IN SCHOOL LIBRARY MEDIA CENTERS
Resources and strategies to use with teachers and support staff in K-12 schools to help students with a range of physical, mental, behavioral and learning needs as well as students who are gifted. Inclusion, alternative instructional strategies and adaptation of PL-142/IDEA requirements in the school library.

LIS 2332 - RESOURCES AND SERVICES FOR ADULTS

Survey of materials in a variety of formats of interest to and importance for adults, with an emphasis on popular resources, utilization of resources, and program development.

LIS 2405 - INTRODUCTION TO CATALOGING AND CLASSIFICATION

Theory, principles, and standards of descriptive and subject cataloging as currently practiced and conceptualized; emphasis on the changing information landscape. Focuses on analyzing systems and practices that respond to user needs, practically and ethically. Provides beginning level experience with bibliographic utilities, description, metadata and encoding schemes, choice of entry, construction of headings, authority control, Dewey and Library of Congress classification schemes, and Library of Congress Subject Headings. Prerequisite: LIS 2001 (completed) or permission of instructor.

LIS 2406 - ADVANCED CATALOGING AND CLASSIFICATION

Examines more complex theoretical and practical problems in creating and maintaining bibliographic information systems within a variety of information environments. Prerequisite: LIS 2405

LIS 2407 - METADATA

Principles and application of metadata for networked information resource organization, representation, retrieval, and interoperability using a variety of schemes and tools. Prerequisite: LIS 2001 (completed) or consent of instructor.

LIS 2452 - INDEXING AND ABSTRACTING

Principles, practices, and applications of abstracting, subject indexing, controlled vocabularies, and syndetic reference structures. Survey of current issues and relevant research. Projects in abstracting and derived and assigned indexing in journal/database and Web context. Prerequisite: LIS 2001 (completed) or consent of instructor.

LIS 2453 - THESAURUS CONSTRUCTION

Basic principles and practice of thesaurus construction for information retrieval. Including: thesaurus construction for information retrieval employing national and international standards; consideration of issues in thesaurus construction and use in an environment with multiple thesauri, multilingual collections and users, or special formatted materials; critical analysis of existing thesauri following basic principles; review of other access vocabularies besides thesauri needed for improved information retrieval. Projects: individual term hierarchy construction and the construction of a thesaurus from ground up. Prerequisite: LIS 2001 (completed) or consent of instructor.

LIS 2500 - REFERENCE RESOURCES AND SERVICES

Survey of philosophies and theories underlying the practices and resources used in general reference. The use of resources in electronic formats, as well as an introduction to subject reference. Reference services. (Prerequisite: LIS 2002*)

LIS 2537 - GOVERNMENT INFORMATION RESOURCES AND SERVICES

The American political environment and its impact on the availability and control of information emanating from the federal government. Consideration and analysis of federal government materials in many formats. (Prerequisite: LIS 2002*)

LIS 2543 - HUMANITIES RESOURCES AND SERVICES

Survey and evaluation of resources in the fields of literature, religion, mythology, philosophy, music, and art; historical background and development of each subject, its scope, the structure of its literature, and its relationship to other humanistic disciplines. Problems of bibliographic control and retrieval. (Prerequisite: LIS 2002*)
LIS 2544 - SOCIAL SCIENCES RESOURCES AND SERVICES
Survey and evaluation of current sources, services, and trends related to information transfer with examples chosen from the social science areas of history, geography, anthropology, sociology, psychology, political science, international relations, law, library/information science, African American studies, women's studies, and peace studies. (Prerequisite: LIS 2002*)

LIS 2545 - SCIENCE AND TECHNOLOGY RESOURCES AND SERVICES
Information resources and services in science and technology including primary and secondary publications, electronic text, image and numeric databases; user needs and communications patterns within the scientific community. (Prerequisite: LIS 2002*)

LIS 2546 - BUSINESS AND ECONOMICS RESOURCES AND SERVICES
Domestic and international statistics, corporate and industrial data, market research, and the behavioral and social aspects of management including consumer and environmental issues. Major business reference tools. (Prerequisite: LIS 2002*)

LIS 2555 - LAW RESOURCES AND SERVICES
The administration and organization of law libraries with emphasis on knowledge of the judicial system and the literature of law. (Prerequisite: LIS 2002*)

LIS 2568 - MULTICULTURAL RESOURCES AND SERVICES IN SCHOOL LIBRARY MEDIA CENTERS
Survey of multicultural resources in a variety of formats; utilization of multicultural resources with students and teachers in K-12 schools.

LIS 2585 - HEALTH CONSUMER RESOURCES AND SERVICES
Collection development, reference, and educational services in the domain of consumer health resources in print, non-print, and electronic formats. Identification of appropriate and accurate resources for consumer health and family education; policy issues in providing consumer and family health information in different settings; role of public media; and information and referral services to and from healthcare organizations, community agencies, and public libraries.

LIS 2586 - HEALTH SCIENCES RESOURCES AND SERVICES
Survey and evaluation of current sources, services, and trends related to information transfer in the health sciences, including medicine, nursing, pharmacy, dentistry, allied health, and veterinary science. Materials and services appropriate to hospital, academic, and special libraries, and information centers.

LIS 2587 - APPLICATIONS IN MEDICAL INFORMATICS
A survey of concepts and activities in medical informatics, including an introduction to the applications of information technology in the areas of knowledge-based information and library informatics; integrated hospital information systems and patient-specific information; nursing, radiology, pathology, and pharmacy services; clinical decision support; telehealth; and medical education. Also included are concepts related to informatics in health care financing; legal, ethical, and philosophical issues in medical informatics; and consumer informatics.

LIS 2600 - INTRODUCTION TO INFORMATION TECHNOLOGIES
Information technologies primer: computers and key applications; networking and Internet applications; implications of future technological developments on libraries; web page authoring; use of Internet and networks to deliver library services; graphics and multimedia applications. Required for ALL MLIS students.

LIS 2630 - USER NEEDS AND INFORMATION SERVICES
Theory, principles, techniques, and tools for design of information systems and services, with emphasis on understanding user-centered design. Analysis of design elements of information infrastructure to respond to user needs. Models for user-centered design. Approaches to design of specific information systems and services.
LIS 2635 - INFORMATION ARCHITECTURE

Practical and theoretical issues associated with information architecture in organizations. User and organizational information needs and uses provide the basis for the conceptual design of Web-based information systems and methods for analysis of stakeholder needs. Designed for students wishing to enhance knowledge and skills related to Web development, networks, and related concepts. (Prerequisite: LIS 2600 or Permission)

LIS 2653 - DIGITAL IMAGE COLLECTIONS

Theoretical and practical issues in managing visual information, particularly in the creation of image databases. Collection management of slides, photographs, manuscripts, and objects in libraries, museums, archives, and other settings. Creation of thesauri and indices for visual materials, as well as issues of standards, image capture, storage, display, networking, copyright, and social effects. (Prerequisite: LIS 2600 or Permission)

LIS 2663 - TECHNOLOGIES FOR INFORMATION MANAGEMENT

Survey of technologies as tools for the communication, storage, retrieval, and manipulation of information. Emphasis on media and computer technologies, including survey of historical development, contemporary applications, human and social implications, and future directions. (Prerequisite: LIS 2600 or Permission)

LIS 2670 - DIGITAL LIBRARIES

An examination of the conditions and factors influencing the development of digital library services, focusing largely on socioeconomic and technological issues. (Prerequisite: LIS 2600 or Permission)

LIS 2674 - DIGITAL PRESERVATION

Focus on format, media and preservation aspects of maintaining digital resources over time. Preservation of materials "born digital" and those transformed into digital format. (Prerequisite: LIS 2600 or Permission)

LIS 2675 - DIGITIZING LIBRARY AND RESEARCH COLLECTIONS FOR ACCESS

Introduction to processes and skills necessary to digitize existing research materials to make accessible via the Internet. Development of selection criteria, legal and ethical concerns, management and costs of digital projects, system and user interface design, preservation concerns, metadata collection and creation, and integration of digital projects into institution goals and objectives. (Prerequisite: LIS 2600 or Permission)

LIS 2680 - DATABASE DESIGN AND APPLICATIONS

Characteristics and concepts of database systems; database development process, including entity-relationship mode, relational database models, normalization, structured query language (SQL), basics of transaction management and physical database design; current database technologies; and database applications in libraries and archives. (Prerequisite: LIS 2600 or Permission)

LIS 2700 - MANAGING LIBRARIES AND INFORMATION SYSTEMS AND SERVICES IN CHANGING ENVIRONMENTS

Principles of interpersonal and organizational behavior and change in information environments and applications of principles to decision making, structure, policy, personnel, and budget. Required for all MLIS students except those declared in the Archives and Records Management, the Preservation Management, or School Library Certification Program specializations.

LIS 2774 - SCHOOL LIBRARY MEDIA CENTER MANAGEMENT

Planning, organizing, staffing, budgeting, implementing, and evaluating library media programs in elementary and secondary schools. The functions and roles of library media specialists in instruction and library media centers as information centers in schools. (Prerequisite: LIS 2000*) Required for all students in School Library Certification Program.
LIS 2800 - BEHAVIORAL PERSPECTIVES
Communication and personality theories and how these relate to interaction with staff, users and administrators in organizational settings. Interpersonal communications techniques, use of Myers Briggs Type Indicator, group dynamics and diversity.

LIS 2830 - MARKETING AND PUBLIC RELATIONS FOR LIBRARIES
The creation, design, and production of publicity and marketing. Strategies of effective public relations: lobbying, fundraising, news management, market and audience research, and needs assessment.

LIS 2850 – THE LIBRARY’S ROLE IN TEACHING AND LEARNING
Teaching and training fundamentals; learning styles; instructional strategies; managing large and small instruction programs; designing online library instruction modules; and creating successful library instruction classes in all types of library settings, with a focus on academic libraries.

LIS 2901 - INDIVIDUAL RESEARCH 1 (1-3 credits)
Research on a topic selected by the student and carried out with scheduled reports to a faculty member. Reports of the research may take various forms as determined in advance by the student and faculty member. Faculty member’s agreement to sponsor required. A maximum of three credits may be earned under this course number. (Letter grade only)

LIS 2902 - INDIVIDUAL RESEARCH 2 (1-3 credits)
Research on a topic selected by the student and carried out with scheduled reports to a faculty member. Reports of the research may take various forms as determined in advance by the student and faculty member. Faculty member’s agreement to sponsor required. A maximum of three credits may be earned under this course number. (Letter grade only)

LIS 2921 - FIELD EXPERIENCE
Supervised work in a library, archive or other information service environment that provides a frame of reference for understanding and an opportunity to apply the skills, methodologies, and theories presented in other courses. Agreement of faculty sponsor and field work supervisor required. (Prerequisites: completion of at least four of the required core courses) (S/N grade only)

LIS 2922 - PRACTICUM IN SCHOOL LIBRARY MEDIA PROGRAMS
Experience in a school library media center, under the supervision of a cooperating teacher librarian: working collaboratively with teachers, teaching information literacy skills, providing services to students and teachers, and managing resources. Weekly seminars, individual coaching sessions and other on-line written requirements focus on best practices, case studies and analysis. Professional assessment; completion of SLCP Portfolio of Demonstrated Competencies and professional portfolio. Students in the Intern Option must register for nine credits. (Prerequisite: LIS 2774) (S/N grade only).

LIS 2923 - PRACTICUM IN SCHOOL DISTRICT LIBRARY MEDIA CENTER PROGRAMS
Coordinated experience in various aspects of managing district- or regional-level school library media programs, including collections, professional libraries, production centers, central processing centers, and personnel. (Prerequisite: LIS 2775) (S/N Grade Only)

LIS 2960 - CONTINUING EDUCATION
Courses designed for the practitioner in a continuing education format. A MAXIMUM OF FOUR CREDITS MAY BE APPLIED TOWARD THE MLIS DEGREE. (S/N Grade Only)
LIS 2963 - UPDATE FOR SCHOOL LIBRARY MEDIA SPECIALISTS

Update of knowledge and skills needed by school library media specialists. Various topics. (S/N Grade Only)

LIS 2970 - SPECIAL TOPICS

Courses offered on an experimental basis or as special topics seminars.

LIS 2990 - COLLOQUIUM (no credit)

Guest speakers from the information professions present information on current topics and trends, providing students additional stimulus for professional growth.

LIS 3000 - INTRODUCTION TO DOCTORAL STUDIES

An introduction to the requirements for the Ph.D. degree in the Department of Library and Information Science and to the broader social and academic context of doctoral studies: its history and traditions, social role, methodologies, and outcomes of doctoral scholarship in library and information science.

LIS 3100 - Seminars in Professional Issues

LIS 3200 - Seminars in Book Arts, Preservation, & Archives

LIS 3300 - Seminars in Research Methods

LIS 3400 - Seminars in Organization of Information

LIS 3500 - Seminars in Resources

LIS 3600 - Seminars in Information Systems and Technology

LIS 3700 - Seminars in Management Theories and Applications

LIS 3800 - Seminars in Behavioral and Service Issues

LIS 3901 - Individual Research 1

LIS 3902 - Individual Research 2

LIS 3950 - Teaching Practicum

LIS 3970 - Seminars: Special Topics

LIS 3999 - Dissertation (Maximum of nine credits per term)

LIS 0000 - Full-Time Dissertation Study

Issues and problems arising from interrelationships among information and individuals, society, organizations and systems, and information that the information professions address.