# Library and Information Science Courses (SLIS)

This is a list of all library and information science courses. For more information, see Library and Information Science.

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SLIS:5950 Health Information and Communication 3 s.h.
Fundamentals of medical librarianship, including how to engage with consumers and practitioners in need of health information; overview of health information resources and seeking skills; how to interact with users in need of health information; basic skills requisite to medical librarianship; community engagement, understanding health literacy, interacting with diverse user populations, and ethical considerations central to health information.

SLIS:6020 Literacy and Learning 3 s.h.
Learning and literacy theory relevant to work in information services; how librarians can help people process information and use it to form understanding and create new knowledge. Prerequisites: SLIS:5010.

SLIS:6100 Database Management 3 s.h.
Principles and practices of database design and management; discussion and practice cover database application lifecycle, data modeling, relational database design, SQL queries, reports and other interfaces to database data, documentation; individual and group projects. Prerequisites: SLIS:5020. Same as IGPI:6100.

SLIS:6110 Evidence-Based Practice in Library and Information Science 3 s.h.
Structured approach to improved libraries through decision making that supports the collection, interpretation, and evaluation of data; assessment of the effectiveness of library programs and services.

SLIS:6115 Information and Inquiry 3 s.h.
Expert skills in seeking and evaluating information that responds to patron needs, supplemented by trajectory of and contemporary practices for library reference work, including tools that support library users’ inquiries and information seeking.

SLIS:6120 Natural Language Processing 3 s.h.
Tools and techniques for computational processing of text, including lexical analysis, part-of-speech tagging, named entity recognition, relationship extraction, topic detection and tracking, sentiment analysis, question answering; example corpora and applications drawn from multiple disciplines including biomedicine, digital humanities, and social science. Prerequisites: SLIS:5020. Same as IGPI:6120.

SLIS:6130 Community Engagement 3 s.h.
Ways in which information professionals in libraries and other settings learn about, collaborate with, and provide services and outreach to community members; introduction and overview of community engagement theory and practice; service learning or community-based research projects. Prerequisites: SLIS:5010.

SLIS:6145 Digital Preservation and Stewardship 3 s.h.
Introduction to concepts and theories related to preservation and continued stewardship of born-digital and digitized materials; taught from an archival perspective, focusing on current methods of collection, maintenance, and access for digital collections in libraries, archives, and museums.

SLIS:6150 Information Behavior 3 s.h.
Understanding how information users approach their information needs; concepts for understanding information use; analysis of user communities.

SLIS:6155 Information Visualization 3 s.h.
Information visualization is to unveil the underlying structure of large or abstract data sets using visual representations that utilize the powerful processing capabilities of the human visual perceptual system; introduction to theories, techniques, and examples of information visualizations for different presentations of data. Prerequisites: SLIS:5020. Same as IGPI:6155.

SLIS:6170 Organizational Management 3 s.h.
Survey of management issues common to all information environments—understanding organizations, decision making, hiring and personnel, grant writing, and marketing.

SLIS:6250 Beginning Cataloging and Classification 3 s.h.
Systems for describing materials and information in catalogs and organizing them for effective retrieval in libraries, museums, and other information centers; AACR2 descriptive principles, Dewey and Library of Congress classifications, Sears and LC subject headings, cataloging networks and services. Prerequisites: SLIS:5030. Corequisites: SLIS:5030, if not taken as a prerequisite.

SLIS:6255 Beginning Rare Books Cataloging 3 s.h.
Concepts and application of descriptive cataloging of rare materials (books); rare books and how their special features shape cataloging; course format includes lecture and discussion, in-class and hands-on (if available) cataloging of rare books, and possible visits to the UI Center for the Book, the John Martin Rare Book Room, and UI Libraries Special Collections; students gain confidence and critical skills to start cataloging rare, special, and unusual books encountered in the workplace.

SLIS:6330 Collection Development 3 s.h.
Collecting as a core library activity; various types of media collected from traditional print media to new digital media; how collections are structured and managed to provide for selection, organization, and access. Prerequisites: SLIS:5010 and SLIS:5030.

SLIS:6335 Metadata Theories and Applications 3 s.h.

SLIS:6345 Stewardship of Information and Collections 3 s.h.
Principles for creating, building, and maintaining digital and print collections in libraries and other information organizations. Prerequisites: SLIS:5010. Corequisites: SLIS:5010, if not taken as a prerequisite. Requirements: admission to library and information science program.

SLIS:6350 Archives and Media 3 s.h.
Collecting as a core library activity; various types of media collected from traditional print media to new digital media; how archives are structured and managed to provide for selection, organization, access, and perpetual storage; work on sample collections, presentation of techniques, and concepts. Prerequisites: SLIS:5010 and SLIS:5030.

SLIS:6370 Topics in Book Studies 3 s.h.
Topics relevant to book studies and special collections. Same as UICB:6370.
SLIS:6380 Analysis of Scholarly Domains 3 s.h.
Information transfer in academic disciplines; scientific method, other means of knowledge construction, resulting literatures; reference tools used to control literature for a variety of audiences; emphasis on humanities, social sciences, or sciences. Same as IGPI:6380.

SLIS:6411 Topics in Library and Information Science 1-3 s.h.
Current topics in the field of library and information science.

SLIS:6490 Information Policy and Ethics 3 s.h.
Ethical and legal issues as they relate to information policy development and interpretation; application of information policies to address problems in information organizations. Same as IGPI:6490.

SLIS:6520 Practicum in Libraries and Information Centers 3 s.h.
Supervised field experience in selected libraries and information centers; emphasis on application of theory to practice; at least 120 hours of fieldwork. Requirements: 15 s.h. of SLIS coursework.

SLIS:6521 Distance and Online Education: Practicum in Library and Information Centers 3 s.h.
Supervised field experience in selected libraries and information centers; emphasis on application of theory to practice; at least 120 hours of fieldwork. Prerequisites: SLIS:5010 and SLIS:5020 and SLIS:5030 and (SLIS:6110 or SLIS:6170) and SLIS:6115. Requirements: minimum of 15 s.h. of SLIS coursework.

SLIS:6530 School Library Media Practicum 3 s.h.
Supervised field experience in library media centers at elementary and secondary school levels; emphasis on application of theory to practice; at least 40 hours of fieldwork; seminar meetings. Prerequisites: SLIS:5044.

SLIS:6570 Independent Study 1-3 s.h.
Formal contract between student and faculty member. Requirements: formal proposal.

SLIS:6571 Distance and Online Education: Independent Study 1-3 s.h.
Formal contract between student and faculty member; opportunity to pursue in-depth research in a particular area of interest that does not duplicate an existing course in the curriculum; students meet with faculty member to design a plan of study and submit a bibliography and description of the final project. Requirements: formal proposal.

SLIS:6580 Thesis 0-6 s.h.

SLIS:6590 Digital Humanities Capstone arr.
Application and practice of classroom experience to a specific project under guidance from a faculty member and project team leader. Prerequisites: CLAS:7290 or SLIS:7290. Requirements: admission to public digital humanities certificate program, an approved certificate plan of study on file, completion of 12 s.h. of approved coursework, and good standing in all required certificate coursework. Same as GRAD:6590.

SLIS:7290 Digital Humanities Theory and Practice 3 s.h.
Overview of theories and use of technology to preserve, deploy, visualize, map, and analyze concepts; discussions with practicing digital public scholars; assignments consist of a digital portfolio tailored to student research; introductory course in public digital humanities certificate. Same as CLAS:7290.