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.

**SLIS:4150 Introduction to Book Studies** 3 s.h.  
Theory and practice of book studies; meanings of word and image in the book format; comparative study of other media, applied study of the codex as physical artifact. English majors and English and Creative Writing majors may apply this course to the following area and/or period requirement. AREA: Literary Theory and Interdisciplinary Studies. PERIOD: Varies by semester. Same as ENGL:4150, UICB:4150.

**SLIS:4910 The Book in the Middle Ages** 3 s.h.  
Relation of text, decoration, function, creators, and audience in different genres of medieval manuscript books 400-1500 A.D. Same as HIST:4910, UICB:4910.

**SLIS:4920 The Transition from Manuscript to Print** 3 s.h.  

**SLIS:5000 Proseminar in Library and Information Science** 0 s.h.  
Integrated view of different areas of library and information science; early program exposure to faculty members and their research interests. Requirements: library and information science major.

**SLIS:5010 Cultural Foundations** 1-3 s.h.  
The role of libraries and information agencies in society; major issues, including information policy, professional ethics, literacy, diversity, technology, pedagogy. Requirements: admission to library and information science.

**SLIS:5020 Computing Foundations** 3 s.h.  
Introduction to analysis, specification, and design of automated systems; review of the software life cycle; testing, deployment, and evaluation of large, computer-based software. Requirements: admission to library and information science.

**SLIS:5030 Conceptual Foundations** 3 s.h.  
Theory, principles, and standards in organization of information; function of catalogs, indexes, bibliographic networks; introduction to metadata descriptions, name and title access, subject analysis, controlled vocabularies, classification systems. Requirements: admission to library and information science.

**SLIS:5041 Contextual Foundations - College and University Libraries** 3 s.h.  
Objectives, organization, unique functions and services of academic libraries; educational environment in which academic libraries function; examination of issues and problems affecting academic libraries. Prerequisites: SLIS:5010. Corequisites: SLIS:5010, if not taken as a prerequisite.

**SLIS:5042 Contextual Foundations - Public Libraries** 3 s.h.  
Historical development of public libraries; current issues in public library management and policy making, including intellectual freedom; readers advisory service and genres of popular materials for adults. Prerequisites: SLIS:5010. Corequisites: SLIS:5010, if not taken as a prerequisite.

**SLIS:5043 Contextual Foundations - Special Libraries** 3 s.h.  
Management, organizational structures, collections, client services in special libraries; site visits to a variety of special libraries, information centers; projects that apply theoretical principles. Prerequisites: SLIS:5010. Corequisites: SLIS:5010, if not taken as a prerequisite. Same as IGPI:5043.

**SLIS:5044 Contextual Foundations - School Library Media Administration** 3 s.h.  
Design of library media programs for the major functions of teaching and learning, information access, and program administration; focus on curricular and teaching responsibilities of school librarians and media specialists, development of philosophy, examination of roles and responsibilities, and program evaluation. Prerequisites: SLIS:5010. Corequisites: SLIS:5010, if not taken as a prerequisite.

**SLIS:5200 User Education: Multimedia** 3 s.h.  
Develop multimedia projects for educational use in libraries; develop a portfolio of projects using multimedia technology; explore applications of multimedia for teaching and learning; explore and evaluate platforms for delivering multimedia in educational environments. Same as IGPI:5203.

**SLIS:5210 Reference and Information Services** 3 s.h.  
Resources and services; essential reference services and experience using a variety of print and electronic resources to answer specific reference questions. Prerequisites: SLIS:5010.

**SLIS:5220 Resources for Children** 3 s.h.  
Evaluation and use of books, magazines, electronic media, and other sources of information and recreation in relation to youth development.

**SLIS:5230 Resources for Young Adults** 3 s.h.  
Topics related to populations served by youth services departments (e.g., societal issues, informational needs); seminar.

**SLIS:5240 Resources for Adults** 3 s.h.  
Role of libraries in meeting adults’ informational and recreational needs; popular culture materials, Reader’s Advisory services, lifelong learning.

**SLIS:5250 Studies in Book History** 3 s.h.  
Topics related to production, distribution, and consumption of books through history and into the future. Same as UICB:5520.

**SLIS:5253 Topics in Preservation** 3 s.h.  
Care, conservation, and preservation of cultural heritage artifacts; readings, discussion, hands-on sessions. Same as UICB:5530.

**SLIS:5255 Book Conservation** 3 s.h.  
Practical methods, materials assessment, conservation history and evolution. Prerequisites: UICB:4270. Same as UICB:5220.

**SLIS:5600 History of Readers and Reading** 3 s.h.  
Cultural nature of reading practices in historic and contemporary contexts of reading; reading communities; dimensions of gender, age, class, religion, race, ethnicity; examples of recent scholarship; use of primary resources; seminar. Same as UICB:5600.
SLIS:5700 Cultural Heritage 3 s.h.
Increased use of digital technologies in collection, organization, dissemination, and use of heritage resources that generate intellectual, social, technological, legal, and ethical challenges to—and opportunities for—the heritage practice; exploration of challenges and opportunities, as well as their impact on the heritage profession; students become familiar with key heritage-related concepts and topics, apply them to a concrete project, and write a report of their findings.

SLIS:5900 Health Informatics I 3 s.h.
Technological tools that support health care administration, management, and decision making. Same as HMP:5370, IE:5860, IGPI:5200, MED:5300.

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: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:6140 Digital Environments 3 s.h.
Methods and models for building digital libraries; organization with metadata; standards such as those for object identifiers, open access, building cross-linkages between collections; automatic harvesting of content. Prerequisites: SLIS:5020. Same as IGPI:6140.

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.

SLIS:6160 Search and Discovery 3 s.h.
Search system architecture; information needs and queries; search models; concepts in relevance and repositories, archives, web-based systems; information quality measures.

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.

SLIS:6320 Topics: Conceptual Structures/Systems 1-3 s.h.
Special topics relevant to conceptual structures (e.g., knowledge, representation, manipulation schemes) and systems (e.g., intelligent OPACS, user interface technologies).

SLIS:6330 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:6335 Metadata Theories and Applications 3 s.h.
Principles of describing materials in both traditional and digital contexts; standards for writing and implementing metadata. Prerequisites: SLIS:5030. Corequisites: SLIS:5030, if not taken as a prerequisite. Requirements: admission to library and information science program.

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.
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>SLIS:6411</td>
<td>Topics: Resources/Services</td>
<td>1-3</td>
<td>Current topics in types of information resources and services.</td>
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<tr>
<td>SLIS:6490</td>
<td>Information Policy and Ethics</td>
<td>3</td>
<td>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.</td>
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<td>SLIS:6520</td>
<td>Practicum in Libraries and Information Centers</td>
<td>2-3</td>
<td>Supervised field experience in selected libraries and information centers; emphasis on application of theory to practice; at least 80 hours of fieldwork. Requirements: 15 s.h. of SLIS course work.</td>
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<tr>
<td>SLIS:6530</td>
<td>School Library Media Practicum</td>
<td>3</td>
<td>Supervised field experience in library media centers at elementary and secondary school levels; emphasis on application of theory to practice; at least 80 hours of fieldwork. Prerequisites: SLIS:5044.</td>
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<td>SLIS:6570</td>
<td>Independent Study</td>
<td>1-3</td>
<td>Formal contract between student and faculty member. Requirements: formal proposal.</td>
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<td>SLIS:6585</td>
<td>Design, Visualization, and Mapping 3-D Environments</td>
<td>3</td>
<td>Introduction to foundational modeling theory, methodology, and conceptual principles of design necessary to present information in visual formats; various software including data management solutions, database concepts, and simple programming skills that assist in visualizing and disseminating data through multiple digital and online media; basic graphing tools to map data; how to model physical properties and theoretical reconstructions of architectural elements in various 3-D digital modeling environments. Requirements: admission to public digital humanities certificate program. Same as CLSA:6585.</td>
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<td>SLIS:6590</td>
<td>Digital Humanities Capstone</td>
<td>3</td>
<td>Application and practice of classroom experience to a specific project under guidance from a faculty member and project team leader. Requirements: admission to public digital humanities certificate program, an approved certificate plan of study on file, completion of 12 s.h. of approved course work, and good standing in all required certificate course work. Same as GRAD:6590.</td>
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<td>SLIS:7290</td>
<td>Digital Humanities Theory and Practice</td>
<td>3</td>
<td>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 GRAD:7290.</td>
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