

Information Science

Fall 2024 Course List

LIS 500LEC [23510] Information Visualization

This course provides an introduction to the art and science of information visualization. You will gain familiarity with a range of visualization techniques for communicating relational, spatial, temporal, and other data. Through hands-on practice, you will learn to apply principles from visual arts, psychology, and statistics to the design and evaluation of information visualizations.

LIS 503LEC [20106] Archives & Records: Practice/Principals

This course is a survey of the principles and practices of archives and records management. It will address the decisions archivists and records managers make while adhering to professional standards, values and ethics. We will discuss how the fields of archives and records management complement each other, how they differ, and how they function within the larger field of information science and with allied professions. We will also address how archival practice informs and is informed by society, emphasizing the history and development of records and recordkeeping systems and the institutions and communities responsible for them. Through lectures, foundational readings, discussion, independent research, and hands-on practice, students will learn how archivists and records managers apply complex theoretical concepts in their work to preserve and provide access to materials.

LIS 503LEC [19675] Equity, Diversity, Justice, and Inclusion in LIS Registration

This course focuses on issues of diversity, equity, and inclusion in librarianship and information science. Through discussion, research, and self-reflection, students will develop their cultural competence; critically examine information work through discussion of race and power and social justice; and explore the role of information professionals as allies, advocates, and co-conspirators.

LIS 503LEC [20995] History and Role of Libraries as Social Actors

This course covers the development of libraries and the roles these institutions play within their service communities. Increasingly, libraries of all kinds have come to play a social role as social actors, change agents, and as “places”, both physical and virtual, that enable to development of social capital. This course examines the development of libraries, information & communication technologies (ICTs), and the role of information access in the many societal “revolutions” of human history, with emphasis on the societal impact of library growth in the United States. Current trends and problems are also examined from a societal and historical perspective.

LIS 514LEC [20998] Conceptualization & Representation of Information

Covers principles and practical methods of document representation such as abstracting, indexing, and thesaurus construction. Topics include pre- and post- coordinate indexing, concept analysis, and vocabulary control. Student work focuses on construction and evaluation of indexes and thesauri. Examines the effects of indexing practices on information storage and retrieval and the impact and implications of advancing technologies.

LIS 531LEC [22154] Marketing of Information Services

Covers research, public relations and the design and use of services. Theoretical, practical and research results from organization-centered and community-centered perspectives will be examined and applied. Field observations, productions and analysis will be used extensively.

LIS 534LEC [15409, 20356] Resources & Services for Children

A study of children's literature and other related media applicable to children. Includes an overview of the history of children's literature, child development, and other factors that affect the selection and evaluation of children's materials in public and school libraries. Students will learn to evaluate and promote materials according to their various uses, both personal and curricular, and according to the needs of the individual child. Course content is delivered through lectures, readings, class exercises, and authentic learning experiences.

LIS 535LEC [21951] Resources and Services for Young Adults

A study of literature and other media produced for young adults. Includes an introduction to adolescent psychology, lifestyles, and interests and how these impact young adults and their reading/viewing habits. Students will learn to evaluate and promote materials according to their various uses, both personal and curricular, and according to the needs of individual young adults.

LIS 538LEC [16470] Pedagogy for School Librarians

A study of pedagogical practices and concepts that underpin successful student learning. Course content and activities will address the domain areas of planning and preparation, the classroom environment, instruction, and professional responsibilities. Teaching strategies and learning theories in the context of the library media center in the school setting (LMC) are addressed.

LIS 560LEC [17798] Emerging Technologies

Library and information professionals are often required to learn and determine how emerging technologies can best be used to meet client needs. This class will guide students in examining technology trends of the 21st century such as mobility, openness, and literacy. Students will examine how emerging technologies promote new ways of thinking about information and productivity. Students will be expected to be familiar with IT and online instruction.

LIS 564LEC [21953] Web Development

Introduces the principles, techniques, technologies, and tools of front-end Web design and development with an emphasis on hands-on experience. Topics include the Web architecture, Web design guidelines and evaluation, HTML, CSS, client-side programming, and Web content management. Students will gain basic knowledge and skills of designing, developing, and evaluating small to medium sized Web sites.

LIS 577LEC [18631] Scholarly Communication

This course explores the significant changes occurring in the digital research environment and the resulting evolution of how scholarly information is communicated. Particular emphasis is given to understanding how libraries and information organizations need to understand and manage these changes. The course examines contemporary issues like commercial publisher exploitation, the tenure system, the peer review system, copyright, open access, open educational resources, digital repositories, large data sets, bibliometrics, altimetric, bibliographic management, and the burgeoning importance of scholarly communication professionals. Web-based scholarly collaboration and communication tools are explored, and the concept of scholarly communication as a genre is discussed.

LIS 580LEC [22023] Information Policy

An examination of freedom as it relates to human thought and communication and the effect on library and information resources and services. The effects of censorship, pressure tactics, cultural pluralism, personal bias and the effect on unrestricted access to materials. Professional librarian and information specialist concerns are examined and practical applications of principle are discussed.

LIS 588LEC [23767] Music Librarianship

Beginning with an overview of the history and literature of music librarianship and music libraries, the course addresses the materials of the music library: their selection, acquisition, and physical treatment. Emphasis is placed on the cataloging, classification, and subject analysis of music, books about music, sound recordings, and related formats. Emerging formats and bibliographic relationships also are explored. An examination of public services in the music library addresses reference, bibliographic instruction, circulation policies, reserves, and outreach such as exhibits and concert series. Music library equipment, renovation, and space planning are discussed the context of facilities. Considerations of music library administration included the music library's relationship to a larger institution, budgets and statistics, personnel, and development. Careers in music librarianship and opportunities for professional development are also explored.