The Information School's Summer 2024 Course Descriptions
last updated March, 2024; subject to change
see Course Search and Enroll for complete information

UNDERGRADUATE COURSES:

LIS 202: Informational Divides and Differences in a Multicultural Society (session DHH June 17 - August 11, 3 credits, online)
Explores the impact of and barriers to access to information on the lives of low-income ethnic/racial minority communities in the United States. Provides introduction to contemporary information society from a sociological perspective.

LIS 351: Introduction to Digital Information (session DHH June 17 - August 11, 3 credits, online)
Prepares students to use information technologies to solve problems and help people through implementing information infrastructures such as websites, databases and metadata. Students will explore information access, information representation, usability and information policy issues, and increase their understanding of the social impacts and social shaping of information infrastructures.

LIS 407: Data Storytelling with Visualization (session DHH June 17 - August 11, 3 credits, online)
Introduction to data visualization including how and why visualization can be an effective tool for summarizing, analyzing and communicating about data, the limitations and challenges in using data visualizations, including misrepresentation and bias and planning appropriate types of visualization(s) based on source data, audience, and goals. Instruction will include hands-on experience with popular visualization software platforms to develop visualizations and presentations.

LIS 440: Navigating the Data Revolution: Concepts of Data & Information Science (session DHH June 17 - August 11, 3 credits, online)
Provides an introduction into the world of Data Science. Includes hands-on projects using scenarios involving analysis of real-world data and development of graphical visualizations. Introduces statistical tests, data management, data programming, data ethics and visualization of data.

LIS 461: Data and Algorithms: Ethics and Policy (session DHH June 17 - August 11, 3-4 credits, online)
An introduction to ethical, legal and policy issues related to analytics, "big data" and algorithms to support decision making. Gain familiarity with major debates and controversies in a variety of contexts. Critically analyze course materials and apply moral reasoning and legal concepts to assess case studies and critique arguments made by others.

GRADUATE COURSES:

LIS 500: Code and Power (session DHH June 17 - August 11, 3 credits, online)
Prepares students to analyze and critique the portrayal of race, gender and computing in various media outlets and to consider their own potential as contributors to the computing industries in light of media portrayals and their own self-perceptions. As students confront assumptions about gender race and computing, this course will also equip them with the skills necessary to confidently design, develop, and discuss web scripting aspects related to HTML/CSS/PHP website development.

LIS 603: Research and Assessment for Information Professionals (session DHH June 17 - August 11, 3 credits, online)
Introduces students to research, evaluation, and assessment practices. Prepares students to design and implement a research or assessment project. Provides an overview of commonly employed data
collection methodologies and introduces students to both qualitative and quantitative analysis approaches that may be employed in evaluation, assessment, and research.

**LIS 613: User Experience Design 3 (session ZNN May 20 - August 25, online)**
Conduct formal evaluations of the user experience (UX) or usability of a digital system. Gain familiarity with the evaluation and research process including key stages, tasks for each stage, common data collection and analysis methods, and common tools employed in the field. Gain experience with a variety of UX evaluation approaches. Collect pilot data and develop a proposal for further UX testing.

**LIS 614: User Experience Design Capstone (session ZNN May 20 - August 25, 1 credit, online)**
Applies a design studio critique approach to produce a learning environment of collaborative and interdisciplinary peer critique and learning, in addition to provide expert feedback and suggestions. Present and defend the latest iteration of the user experience design project developed in earlier courses while learning about the professions associated with digital user experience design.

**LIS 620: Field Project in Library and Information Agencies (session DHH June 17 - August 11, 3 credits, online)**
The purpose of this course is to provide students with the opportunity to gain professional experience in an information agency. The course consists of a minimum of 120 hours in the agency and participation in an online class, in which students discuss the placements and the application of professional theory to the workplace. Students work with the supervising professional at their hosting site to determine work responsibilities and schedule; student schedules must be flexible enough to accommodate possible weekday, weeknight, and weekend hours.
https://ischool.wisc.edu/programs/ma-library-information-studies/ma-requirements/practicum/

**LIS 632: Metadata Standards and XML (session DHH June 17 - August 11, 3 credits, online)**
An overview of the design and use of metadata for resource description and retrieval in digital environments. Learn to implement and evaluate standard schemes used in cultural heritage, commercial and other contexts including Dublin Core, MODS, VRA and others. Issues of information behavior,

**LIS 640 Topics in Library and Information Studies**
Current issues in library and information studies that are not addressed in sufficient depth in existing courses or that combine facets of several existing courses.

**LIS 640 Topic: Linked Data (session ACC May 28 - June 16, 1 credit, online)**
This course teaches the fundamentals of linked data ("Semantic Web") technologies. It includes reading linked data graphs, reading and writing various linked data syntaxes (N-Triples, Turtle, RDF/XML, microdata), understanding and using common linked data vocabularies, and SPARQL querying.

**LIS 640 Topic: Tribal Libraries, Archives and Museums: Act 31 Services and Resources (session CCC June 10 - June 30, 1 credit, online)**
Wisconsin Act 31 requires all students and teachers within the state of Wisconsin to receive instruction on the history, culture, and tribal sovereignty of the American Indian nations and tribal communities in Wisconsin. This course serves to provide an introduction to Wisconsin Act 31 and its significance in K-12 education. Students will learn about the origins of Wisconsin Act 31 and explore and assess resources for teaching about Native Nations of Wisconsin. Students will read from a selection of picture books, middle grade novels, and young adult novels and use evaluation tools to ensure the books include culturally-relevant and authentic representations of Native people. Students will plan library programs and collections that support learning about Native Nations of Wisconsin for K-12 students and community members.
**LIS 640 Topic: Services to Diverse Populations (session DHH June 17 - August 11, 3 credits, online)**
This class will focus on working with diverse communities in a library setting, exploring such topics as equity of access, cultural competence, and community engagement. Over the course of the class, students will develop a toolkit on working with a specific community of their choosing, featuring advice, best practices, policies, and resource lists.

**LIS 668: Digital Curation and Collections (session DHH June 17 - August 11, 3 credits, online)**
The course introduces core concepts and new developments in digital curation, preservation, and digital libraries. Topics include: digitization; digital collections planning and evaluation; intellectual-property issues; metadata as applied in digital collections; digital collection technologies and workflows; basics of research data management; trusted digital repositories; digital preservation; media archeology.

**LIS 712: The Public Library (session DHH June 17 - August 11, 3 credits, online)**
Library service based on knowledge of structure and government, personnel, resources, legislation, building, management and planning, public relations and marketing.

**LIS 734: Introduction to Archives and Records Management (session DHH June 17 - August 11, 3 credits, online)**
An introduction to the archives profession and basic theory and practice of archives and records administration, including the uses of primary sources in research, appraisal, access, and preservation.