

# Fall 2018 Graduate Course Descriptions

## Information School

June 8, 2018

### **LIS 500: Code and Power (Online)**

Does the Internet flatten the world? What are the social relationships that structure our Digital Society? Overcoming gaps in information access and participation starts with you... This course combines a supportive introduction to computer scripting with a critical examination of race and gender issues in the contemporary computing industries. Students will increase their computing confidence through interactive hands-on exercises to gain mastery of core scripting concepts applicable to a variety of coding tools (e.g., PHP, Javascript, Python). At the same time, students will discuss contemporary research on race, gender and computing and learn to design and assess inclusive computing activities and events.

### **LIS 601: Information: Perspectives and Contexts (Online section 003 for Online students only)**

Provides an introduction to major themes and topics in information studies as well as the language and literature of the field and related disciplines. This course is about information, information agencies, and being an information professional. We look at social, historical, ethical, legal and political issues surrounding information dissemination, use, control, and management.

### **LIS 602: Information: Organization and Search (Online section 003 for Online students only)**

This course introduces basic concepts and principles of information organization and online searching. Students gain knowledge of information organization and retrieval theories and methods and knowledge of large database structures and database searching techniques. Students critically examine the impact of information organization practices on organizations and culture. Through readings, lectures, discussions, and exercises, students will learn how to develop information organizing systems and to evaluate and improve search systems.

### **LIS 603: Research and Assessment**

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 619 Music Research Methods**

Cross-listed Music Department class. Must have a strong background in music theory. Historical and contemporary bibliography resources for musical scholarship; general reference tools of scholarly work and specific musicological works.

### **LIS 620-001, 002, 003: Field Project in Library and Information Studies (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 work place. You will work with the supervising professional at your agency to determine your work responsibilities and schedule; your schedule must be flexible enough to accommodate possible weekday, weeknight and weekend hours.

For directions on how to request a placement, see: <https://ischool.wisc.edu/current-students/practicum/>

Note: School library concentration students enroll in C&I 620.

### **LIS 620-003 (Teaching and Learning section (formerly LIS 826, LIL), on-campus students only)**

The purpose of this section of LIS 620 is to provide students with the opportunity to gain professional experience in instruction in academic libraries. The 120-hour practicum component of the course has three parts: teaching a workshop using a shared outline (10-12 hours); observing and assisting with workshop sessions for undergraduate Communication A courses (15-20 hours); and extensive work with instruction projects at a home site library (80-90 hours). Additionally, required seminars offer a variety of activities related to learning theory, pedagogy/andragogy, lesson planning, assessment and online tutorial software. Although the course itself is online, students are required to attend three face-to-face sessions and may have specific time requirements depending on the placement.

For directions on how to request a placement and more information about this section,

see: <https://ischool.wisc.edu/current-students/practicum/>

Permission to enroll is required and is prioritized on seniority basis. Typically, 7-9 placement opportunities are available. For more information, contact Allison Kaplan.

### **LIS 622: Children's Literature**

Survey class focusing on literature for children (birth to age 14) in all of its formats also includes techniques of reading guidance in school or public libraries in relationship to developmental interests, needs and skills of children.

### **LIS 632: Metadata Standards and XML (Online)**

This course provides an overview of the design and use of metadata for resource description, management, and retrieval in digital environments. Students learn to implement and evaluate standard schemes used in cultural heritage, business data, and other contexts including Dublin Core, MODS, VRA and others. Issues of information behavior, vocabulary control, sharing and interoperability, quality assurance, and automation are covered.

### **LIS 639: Pedagogical theory and practice for information professionals**

Introduction to pedagogical theory, training tools, and teaching skills needed in a variety of informational instructional settings such as academic and public libraries, archival institutions, museums, and software training facilities. Applicable for students interested in information literacy instruction, online teaching, technology training, and group instruction.

### **LIS 640-001, 002: Topic: Project Management & Systems Analysis (Online)**

Project management skills are vital in EVERY discipline. Why not learn how to effectively communicate with a customer, manage a diverse team, elicit project needs, estimate schedules, manage costs, and close a project?

This course is designed to explore the concepts and practical implementation of project management principles. In a practical sense, students will examine the use of project management to successfully initiate, plan, execute, control and close a project. Special attention is given to the current standards of the Project Management Institute.

**LIS 640-005, 006: Topic: Services to Diverse Populations (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 640-007, 008: Topic: Genealogy (1 cr; meets session FEE; Online 10/8-11/11)**

This course provides an introduction to genealogy and genealogical research, the basic research cycle, and common records and resources, and strategies used to complete family history reference requests. We'll explore the history and evolution of genealogy as a popular pastime in the United States, the growth and monetization of genealogy services, and other current topics including DNA testing and crowd-sourced research. Students will gain confidence and skills to handle basic genealogical research questions through lectures, readings, discussions, and by completing multiple reference-related assignments. Students will explore the relationship between genealogists and libraries/archives and how to serve this population through focused collection development and public service.

**LIS 640-009: Topic: Community Partnerships (1 cr; meets session AGG 9/10-10/21)**

Prepare to engage! Engage in this class so you can engage the community you serve as a professional librarian. Learn to assess the wants and needs of that community, be it a public, academic or corporate community, and build a library program that serves those needs. You'll work with a variety of community engagement tools, facilitate a discussion or two and share your inspirations in this intensive course.

**LIS 644: Digital Tools, Trends, and Debates (Online)**

Overview of information and communication technologies, digital media, and standards in relationship to information agencies within the context of current societal controversies.

The course goal is to provide students with:

- Broad awareness of digital technologies in use in libraries and other information agencies.
- Ability to evaluate, select, and work with appropriate digital technologies in a library context.
- Awareness of the social forces that create and shape the use of digital technologies, ensuing controversies that can arise, and the complex relationship between digital technologies and the future of information agencies.
- Self-sufficiency in continual acquisition of technical knowledge.

**LIS 646: Information Architecture**

This course covers how traditional library science concepts such as the organization of information and user services apply to web design, and examines the basics of usability, navigation, web evaluation, and ongoing web information system management.

**LIS 650: History of the Book**

The purpose of this course is to introduce students to the history of books and print culture in the West from ancient times to the present with a focus on how reading and writing have influenced social, cultural, and intellectual life. The course will also emphasize how historians of books and print culture work, including the methodologies, theories, and sources for the study of the history of books and printing.

**LIS 654: Management (Online)**

Survey of concepts and skills necessary to manage in an information services organization. Assignments will both focus on developing practical skills and take a critical look at different philosophies of management and leadership. Areas of coverage include topics such as strategic planning, personnel, collaboration, advocacy, budgeting.

### **LIS 655: Collection Management**

The study of collection management in all types of libraries and information centers. Includes analysis of information needs, criteria for selection, sources for reviews, collection use evaluation, weeding, preservation, and contemporary changes in access and ownership.

#### Course Objectives

At the conclusion of the course, students will be able to:

- Describe the theoretical and practical issues associated with the management of library collections
- Identify the challenges of collection management facing information professionals in various types of libraries and information agencies
- Evaluate issues regarding access vs. ownership information resources
- Create and evaluate collection policies

### **LIS 663: Intro to Cyberlaw**

This is an introductory course in the law of cyberspace. The emphasis is on critical thinking about a broad variety of legal and policy problems that arise because of ever-changing information and communication technologies.

### **LIS 665: Topics: History in the Archives: The African American Experience at the UW**

This course will examine the impact of race on how some archival collections are constructed; what is collected; how archives are organized, described and accessed; and ultimately how to construct narratives using resources in the archives even when voices are missing or incomplete. The course includes hands-on examinations of archives and analyses of publications and documentary films based upon archival research. Students will create a digital story based on records of African American UW students located in the University of Wisconsin archives. Readings include: *Ebony and Ivy: Race, Slavery, and the Troubled History of America's University* (2013). Documentary films include: *Tell Them We Are Rising: The Story of Historically Black Colleges and Universities* (2017)

### **LIS 668: Digital Curation and Collections (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; sustainability.

### **LIS 732: Strategic Information Services (Online)**

Developing, managing and evaluating information services to corporate, government, research, small business, and community organizations. Overviews of knowledge management, business intelligence, industry analysis, information brokering. Gain skills in information service entrepreneurship and marketing information services. Overview of changes within the profession and networking within the professional community.

### **LIS 734: Introduction to Archives**

This course will serve as an introduction to the field of archives, providing students with an overview of their history and purpose and to the concepts integral to archival work. Through a combination of readings, discussions, writing, and project work, students will be introduced to archival appraisal, arrangement & description, reference, outreach, preservation, ethics, technology, project management, and advocacy in relation to all formats of archival materials (manuscript, digital, photographic, audiovisual, and object-based

records) in many types of archival institutions. The course offers an introduction and is appropriate for all students, but will provide an important framework for students planning to follow the archives concentration.

**LIS 751: Database Design for Libraries and Information Agencies (Online)**

Introduction to database management systems, the database design process and database management issues, current trends and developments in the database field with a focus on library database systems.

**LIS 772: Library Services to Children and Young Adults (Online)**

This course covers the theory and structure of public library service to children and teens [ages 0-18], its place within the community, and techniques and practical aspects of youth librarianship.

**LIS 803: Computational Research Methods**

Computational analyses can bridge gaps between qualitative and quantitative research, uncover hidden processes, and shed light on confusing or voluminous data. Recent advances in data mining help social scientists better understand how people learn, collaborate, and grow. The purpose of this course is to provide a broad overview of ways of formulating and investigating novel questions with tools from educational data mining and learning analytics. As such, we will use methods such as social network analysis, natural language processing, Markov modeling, Bayesian inference, and agent-based modeling. The course will be hands-on, and students will have opportunities to use these methods to explore their own data, if desired. Students in the course will be required to program in Python for this class, but no prior classwork in programming is required.

**LIS 839: Special Collections (1 cr.; meets Thursdays, meets session AEE 9/5-10/7)**

Course combines addressing theoretical issues with more everyday matters, and provides opportunities for hands-on examination of a wide variety of examples from special collections. Topics include such things as: means and ends of outreach; collection policy, criteria, and process; teaching with special collections; aspects of digitization and access with reference to special collections; later context issues.

**LIS 855-001,002: Topic: Negotiations, Teams, and Difficult Conversations for Information Professionals (Online - 1 cr.; meets session AEE 9/5-10/7)**

This course gives information professionals the skills to succeed in professional communications scenarios such as negotiations, team decision-making processes and other difficult professional conversations. The course will include scenarios, role playing practice and readings about theoretical and practical aspects of professional communications.

**LIS 855-003: Topic: STEM Librarianship (1 cr.; meets session FEE 10/8-11/11)**

This one credit, 5 week course will provide an intensive introduction to library and information services in the STEM fields (science, technology, engineering, medical/health) The course will include unique attributes of STEM users, their needs and behaviors, and unique challenges of working in STEM undergraduate and graduate library environments. It will also cover key sources/databases/vendors in STEM areas, how scholarly publishing works in STEM fields, and professional societies and conferences relevant to STEM librarianship.