LIS 500: Code and Power
Does the Internet flatten the world? How do race, class, gender and other forms of intersectional oppression show up in code? What are the social relationships that structure our Digital Society? Overcoming gaps in information access and participation starts with you. This course combines an introduction to computer scripting with a critical examination of inequality 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., HTML, PHP, SQL). At the same time, students will learn to design and assess inclusive computing activities and events through hands-on projects.

LIS 510: Information Security and Privacy (Online)
This course introduces you to administrative and sociotechnical concepts related to the privacy and security of individuals and organizations in online contexts, and how individuals and organizations can assess and enhance their online privacy and security. No prior technology or computer-science experience is assumed. See introductory video at https://mediaspace.wisc.edu/media/Why+CybersecurityF/0_6tmynm7s

LIS 517: Digital Health (Online)
This course is appropriate for all students considering careers in the health or allied health professions, health sciences or public librarianship, service professions, and the social services, particularly those concerned with information provision to the medically underserved and members of racial/ethnic/socioeconomic minority groups. It’s for people who want to build more informed apps, websites, search engines, or information systems to organize and provide health information. Finally, it is for all people who need to navigate the maze of health information as consumers, patients, and/or caregivers to patients.

This is an extremely customizable course for everyone, based on students’ interests, expectations, and professional or pre-professional needs. If you have particular learning or career goals in mind that revolve around consumer health information, I encourage you to contact me (catherine.arnott.smith@wisc.edu) and see how the course can best help you meet those goals.

COMP SCI/LIS 570: Introduction to Human Computer Interaction (Face-to-Face)
User-centered software design; (1) principles of and methods for understanding user needs, designing and prototyping interface solutions, and evaluating their usability, (2) their applications in designing web-based, mobile, and embodied interfaces through month long group projects.

LIS 601: Information: Perspectives and Contexts (Online)
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 603: Research and Assessment for Information Professionals (Face-to-Face and 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 620: Field Project in Library and Information Agencies (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. Students work with the supervising professional at your agency to determine work responsibilities and schedule; student schedules 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 should contact Allison Kaplan for enrollment instructions

**LIS 629: Multicultural Literature and Resource for Children and Youth (Face-to-Face)**
This course focuses on issues of diversity as represented in literature for children and young adults both in US-based and global-based literature. In this class, we will employ a sociocultural approach to consider representation of ethnicities, socioeconomic status, gender, sexual orientation and (dis)ability. A range of critical issues is addressed including authenticity, representation, cultural correctness, reader responses and intellectual freedom.

**LIS 631: Literature and Resources for Youth (Online)**
This course provides a survey of media interests and needs of young adults (media include books, film, television, audio, and various production technologies). The course involves a critical examination of media trends, materials, selection criteria, guidance for individual users, and censorship problems (as they relate to young adults). We cover evaluation, selection, and use of print, digital, and other multimodal resources for youth (ages 13-18). Students will develop an ability to advocate for and promote materials according to various needs of young adults (intellectual, emotional, social and physical).

**LIS 635: Reference and Information Service (Online)**
This course introduces the theory and practice of reference and information service. Themes include the history and ethics of information service in libraries, theories of information behavior, the reference interview, and reference and information service design and management. Students will gain familiarity with a wide range of reference resources and strategies.

**LIS 640-001, 002: Topic: Tribal Libraries, Archives & Museums (Face-to-Face) (3cr)**
This course provides an overview of, and practical experience with, the history, development, and current issues facing tribal libraries, archives, and museums, with an emphasis on Wisconsin tribal cultural institutions. The course is structured around a combination of classroom discussions and lectures, as well as onsite visits to tribal cultural institutions, and attendance of local events relevant to this course.

Upon completion of the course, students will:
(1) understand the landscape of the tribal knowledge societies;
(2) be aware of legal, social, cultural, political, economic issues affecting participation of Indian tribes in the knowledge society;
(3) appreciate challenges faced by Wisconsin tribal cultural institutions;
(4) gain practical experience interacting with tribal cultural institutions in Wisconsin.

**LIS 640-003, 004, 005: Introduction to Text Mining (Online) (3cr)**
This introductory course teaches the computational methods and skills to understand text data. We cover common Natural Language Processing (NLP) concepts & techniques, their applications in text mining, and related Python programming examples. The covered topics include:

- Working with text data: preprocessing (e.g., tokenization, stemming), text parsing (e.g., part-of-speech tagging), information extraction (e.g., noun phrases and named entities)
- Modeling text content: n-grams, language models, word embeddings, thesaurus and knowledge bases, text similarity
- Exploring and mining text data: text clustering, topic modeling, text classification, sentiment analysis, text retrieval, text visualization
• Applications in LIS-related research areas such as bibliometrics and social media analytics

**LIS 640-006, 007: Topic: E-Portfolio and Job Search (Online) (1cr)**

You asked for it! This course provides an opportunity for structured support to help you complete your e-portfolio, prepare for your job search, and think about both in terms of lifelong learning and career development. We will workshop how to construct a good justification statement for the Program Level Learning Outcomes in class. Topics for career planning/job search include: developing a job search strategy, how to write effective cover letters and resumes, interview prep, and next career stage planning. Career resources that are available to you now and after you graduate will be referenced. You need to have completed 27 credits to enroll. This course meets synchronously online and face-to-face. Campus students are expected to attend in person.

**LIS 640-008 Strategic Communications Planning (Face-to-Face) (1cr)**

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 642: Topic: Reading Interests of Adults (Online)**

An examination of the nature and societal functions of a variety of mass media-generated adult reading materials, the standards by which they are judged, and their relationship to contemporary library and information science fields.

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

This course provides an overview of information and communication technologies and digital media that are currently widely used in society at large, in relationship to cultural heritage organizations, research and education, and information agencies within the context of current controversies surrounding technology use.

The course goals include providing students with:

- Ability to evaluate, plan and hire for, select, and safely and securely use digital technologies;
- Awareness of the social and legal forces that create digital technologies and technology standards, controversies surrounding their development, use and modification, and the complex relationship between digital technologies and the future of information agencies;
- An understanding that acquiring technical knowledge takes a commitment to lifelong learning;
- Development of ethical and principled approaches to technology adoption and education.

**LIS 646: Information Architecture (Online)**

This course provides an overview of the fundamentals of information architecture (IA) and User Experience Design (UX), as well as opportunities to use these concepts in practice. The course looks at the ways in which traditional library science skills and knowledge, such as the organizing and classifying of information, and knowledge of the behavior of information seekers, apply to web design. The course also introduces the concepts of web standards, usability and accessibility, project planning, project management, web evaluation, interaction design, and website design as an ongoing, iterative process.

**LIS 651: Cataloging and Classification (Online)**

This course introduces different approaches and systems currently used for organizing library materials. Through lectures, discussions and exercises, students will acquire practical knowledge of rules, standards, and tools used for bibliographic description and control, classification, and subject/content access. Standards/systems that are covered include: RDA, MARC, DDC, LCC, LCSH.

**LIS 654: Information Services Management [Tier M course] (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 (Face-to-Face)**
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.

At the conclusion of this course, students should be able to:

- Understand the information life cycle, and specifically the role libraries play in that cycle;
- Identify how print and electronic documents are created, published, and acquired by the library;
- Identify core user groups and key characteristics of the information types and genres they require through analysis of user needs, the user base, and the collection; and
- Understand, acquire, and critique critical opinions from professional and lay sources useful in the information professions

**LIS 661 Information Ethics and Policy (Online)**
Overview of modern ethical theories and how they inform information agency policies and practices; examines selected policy issues relating to information and communications; includes topics such as intellectual property, privacy, censorship, equity of access.

**LIS 663: Introduction to Cyberlaw (Face-to-Face)**
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 678: Preservation (Online)**
Basic concepts, principles, and approaches to protection and care of library and archives material, including nature and structure of paper- and plastic-based materials, deterioration, preservation management, disaster prevention, reformatting, and some basics of digital preservation.

**LIS 705: Introduction to Analytics for Decision Making (Online)**
Introduces key stages in the processes of gathering and analyzing data for decision making, including tasks, methods, and tools used at each stage. Topics include developing the research question from organizational goals, choosing appropriate data collection methods, sampling, basics of measurement and question design, managing and visualizing data, descriptive statistics and basic inferential statistics such as correlations, regressions, and ANOVA.

**LIS 707: Data Visualization (Online)**
This course will introduce key concepts in data visualization and communication for the purposes of decision making in organizations. It covers how and why visualization can be an effective tool for summarizing, analyzing and communicating about data, as well as the limitations and challenges in using data visualizations, including misrepresentation and bias. Emphasizing hands-on and practical learning.

**LIS 722: College and University Libraries (Online)**
An overview of contemporary issues impacting libraries located at institutions of higher education spanning community colleges to large research universities. Topics covered include, but are not limited to:
* changes in the higher education environment in the US: state funding, for profits, MOOCs, new campus populations and their needs, safety issues, etc.
* pressures to provide evidence for student learning or retention and more broadly conveying the mission and value of the library to decision makers on campus
* the role of libraries in helping researchers manage research data including an overview of federal rules, funder regulations, data management consulting and professional associations that support librarians in this work
* library roles in promoting copyright education, open access, institutional repository use, open textbooks, etc.
* involving libraries in campus diversity initiatives/efforts and more broadly involving the campus library in the social life of the campus
* trends in campus library space use: material storage v. user space; partnering with other campus service groups

**LIS 751: Database Design for Information Professionals (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 768: Digital Humanities Analytics (Face-to-Face)**
In this course students learn and apply introductory technology skills to analyze and plan data-driven projects in the humanities, social sciences and other fields. Topics include identifying relevant existing digitized materials, web scraping, text encoding, topic modeling, mapping, social network analysis, and other approaches for collecting, analyzing and visualizing data. An introduction to Python is a key part of this course, which employs hands-on activities and collaboration with campus researchers to give students the tools they need to explore exciting new approaches to research and outreach using primary sources.

**LIS 818: Archival Selection and Appraisal (Face-to-Face)**
Theories, principles and processes behind archival decisions to acquire records and designate them as worthy of long-term retention in an archive. Emphasis on understanding archival views about society and its relationship to historic materials, the role of the archivist, the attribution of value to archival material, and current and emerging best practices for this work.

**LIS 855-001,002: Topic: Fundraising (Online) (1 cr.) (Meets March 29-April 30)**

**LIS 855-003,004: Topic: Budgeting (Online) (1cr.) (Meets January 25 – February 28)**
Overview of the concepts and skills needed to interpret, create and reconcile budgets for programs, grant proposals, departments, and organizations. This course prepares information professionals to understand the terminology, methods, and tools of budgets, finance, and accountability.

**LIS 925: Seminar in Professionalism, Writing and Reading (Face-to-Face)**
Provides professional development for doctoral-level researchers. Includes presentations by guest speakers and/or faculty members, writing workshops, reflection assignments and student presentations.

**LIS 975: PhD Seminar: Seminar in Information Organization and Access (Face-to-Face)**
Do you know your epistemology from your ontology? Are you wondering how to develop a theoretical framework for your dissertation? Have you been told that your research writing is too descriptive and needs more theory? This course could be for you! The course provides a grounding in how to use theory in research. We go step-by-step, starting with an overview of the different ways theories are used in the research process. While part of the class focuses on how to use theory, we also read and discuss applications of sociocultural theories including structuration, social informatics, domestication, actor-network, and theories of discourse.