

**LIS 5937 Special Topics Elective Courses** are typically new courses offered to enhance the curriculum 1) until a permanent course number is determined or 2) as a one-time special course offering. Students may take more than one LIS 5937 as long as they do not repeat the same topic.

#### **LIS 5937 Applied Information Analysis**

Using techniques of discovery learning and engaging, interactive web-based technology throughout, the course begins by introducing information and strategic theory and the relationships between them. Then, the course examines the human dimensions of analytic and strategic thought. We explore the complexity of human judgment and cognition and their roles in analyzing information. We examine analytic methodology as a form of problem--solving—a process of matching “data” and approaches to specific questions. We use the scientific method as an analogue for critical analysis, exploring how to generate and evaluate hypotheses in everyday life, how to understand the relative merits and limitations of qualitative and quantitative research methods, and how to apply statistical reasoning and inference to forecast outcomes. Finally, we review a range of assessment methods and tools for structuring problems and evaluating courses of action. The course is relevant for business, national intelligence, policy analysis and any enterprise seeking to better its position in the knowledge economy.

#### **LIS 5937 Copyright for Information Professionals**

This course examines copyright in the context of the information professions. It focuses on information ownership by surveying American copyright law from the colonial period to post constitutional and modern judicial doctrine. The course is designed for professionals who manage information resources, design information systems, and provide related services in a rapidly changing economic, social, and technological environment. The course focuses on providing information professionals with a fundamental understanding of the importance and impact of copyright law on the information profession.

#### **LIS 5937 Health Information Sources and Services**

This course will provide students with basic skills to provide health information services and programs. It is designed for health information providers (librarians, health educators, nurses, social workers, etc.) from a variety of environments, with a particular emphasis on how to serve health information needs of consumers (patients and their families or caregivers). The course is intended to be an overview of health information resources that can be used in any setting in which the resource is to be used directly by the user (for example, a patient resource center, public library, health fairs, in the community).

#### **LIS 5937 Human Rights and Libraries**

The aim of this course is to present a historical and cultural analysis of the role of librarians vis-à-vis human rights as defined by the 1948 Universal Declaration of Human Rights. We will look at the stated goals of the library profession and the work of librarians towards achieving a more equitable society in the United States as a compassionate nation among others. Course will also examine Biblioclasm and Cultural Destruction.

#### **LIS 5937 Information Architecture**

For students interested in web design and the organization and usability of web sites. Information architecture covers the design, organization, implementation, and maintenance of digital information spaces for human access, navigation, and use. Examines the core concepts, activities, and dominating technologies in information architecture, with a particular emphasis on systems analysis and design

#### **LIS 5937 Information Management Systems**

An introduction to the role of information systems in organizations, and how this relates to organizational objectives and structures. It covers the basics of management and information as they relate to each other in the operation of an information service environment. The learning focuses on students applying the Information knowledge to address real-life problems in the LIS community. As information specialists, the students address various topics with emerging technical solutions that can help improve information service.

### **LIS 5937 Information Retrieval**

This course studies the theory, design, and implementation of text-based and visual-based information systems. The Information retrieval core components of the course include information representation, search interfaces, language in information retrieval, retrieval techniques and query representation, retrieval approaches and models, information retrieval, the user dimension, and evaluation.

### **LIS 5937 Information Sources and Services in Genealogy**

Genealogy and family history research is arguably one of the most popular hobbies in the United States, and public libraries are often the place where new genealogists go to get started. Some larger libraries devote entire floors or rooms for their genealogy patrons, many libraries subscribe to genealogy databases for their patrons to access in the library or at home, and libraries of all sizes provide basic education in how to do family history research.

Information Sources and Services in Genealogy is being offered in the 2013 Fall Semester as a distance course with two face-to-face all-day Saturday meetings in public and academic libraries. This course will give library science graduate students a basic understanding of genealogical research methods and resources, providing a strong foundation for those public library positions that include the support of genealogy patrons. Students will experience not only the fun that patrons enjoy when discovering their own ancestors, but also the opportunities to create an online tutorial as part of their career portfolio and to demonstrate their reference interview skills for working with genealogy patrons.

### **LIS 5937 Internet Governance**

This course examines the structure and organization of Internet governance at national and international levels. It emphasizes supra-national arrangements for management of Internet resources, and focuses on the political, legal, economic, and social ramifications of those arrangements.

### **LIS 5937 Intro to Archiving and Records Management**

This course covers the whole life cycle of electronic records, including both the records management stage and archiving stage. Students who are interested in becoming a records manager or an archivist would benefit from this course. The course will talk about records management basics, challenges in managing electronic records, recordkeeping systems, the management of various kinds of electronic records, such as web records, email records and records generated in cloud computing environments. There is no prerequisite for this course, but students need to understand the concept of metadata.

### **LIS 5937 Libraries as Cultural Heritage Institutions**

*The cultural heritage of a people is the memory of its living culture.* The course, "Libraries as Cultural Heritage Institutions," will examine definitions of culture, explore cultural policy issues world-wide, study a variety of cultural heritage institutions and organizations, and help develop a philosophy of librarianship that's places the library in its various communities as a cultural heritage institution. Course Goals:

- Understand the international context of cultural heritage.
- Identify the meaning of local history.
- Identify the sociological and educational role of museums.
- Recognize and scope of cultural heritage institutions.
- Explain and characterize the library as a cultural heritage institution.
- Develop plans for libraries to fulfill their role as cultural heritage institutions.
- Create opportunities for museum and library partnerships.

### **LIS 5937 Social Media for Information Professionals**

Information plays a key role in every part of society and the life of the individuals. Knowledge about the creation, management, finding and sharing of digital information in this era is more important than ever before in every information worker's context. This course gives students a chance to explore the roles of people, information, technology and social structures, and to discover new ways information can contribute to personal goals, an organisation's success, and societal inclusion in general. The course will provide an overview of selected Web 2.0 technologies. Social media immersion is a key part of this course.

### **LIS 5937 Teaching Information Literacy**

This course introduces the theory and practice of information literacy instruction, providing the foundation needed for teaching in any type of library or information center. The course includes an introduction to library instruction and user education. It emphasizes the practical aspects of teaching, of creating material, and in designing and managing instructional programs within larger organizational settings.

Course Goals:

- Develop and articulate a teaching and instructional philosophy.
- Apply principles and learning theories to user education.
- Develop skills in using the Internet as an education tool, communication tool, and as an information resource.
- Develop an understanding of state and national standards of information literacy and state and national academic standards.

### **LIS 5937 Visualization of Big Data**

In today's social media and cloud computing world, there are vast amount of data generated by machine and humans on a daily basis. For example, 250 million people are posting messages and pictures on Facebook on a daily bases. This growth of data required us not only to understand the nature of Big Data infrastructure and its core value, but also – more importantly the possibilities of what this data represents. However, Big Data is often called messy and incomplete due to its **Volume, Velocity, and Variety**, making it hard for us to make sense out of it. Wired Magazine (2013) called **Visualization**, the simplest way to explain Big Data. This class will focus on different forms of Visualization styles in order to better explain what we can find in Big Data. Students will learn basic visualization design and evaluation principles, and how to apply those principles to large datasets. Students will also learn techniques for visualizing multivariate, temporal, text-based, geospatial, hierarchical, and network/graph-based data. The students in the class will utilize Open Source R and many visualization packages such as GGPlot2, Animation and many others.

### **LIS 5937 Web Design for Libraries**

Web Design for Libraries will provide the student with an introduction to Web Design basic including theory, concepts and techniques. Topics will include best practices, structure, layout, style sheets, graphics, publishing, templates, software, and other web applications. After this course the learner will be able to:

- Research, evaluate and describe the considerations regarding usability, accessibility, navigability, cultural sensitivity, global issues, and good design practices for websites in an instructional and informational resource environment.
- Create and modify web page elements using various web and graphic creation tools for appropriate layout and design objectives.

- Research and analyze current web design issues, elements, and considerations.
- Create a web site employing good design principles and using appropriate content for an instructional and information resource environment.
- Understand the use of graphic representations.

### **LIS 5937 Wikipedia and Knowledge Management**

A geographical, sociological and chronological overview of knowledge management beginning with the printed encyclopedia. How Wikipedia came about and how a virtual an army of volunteers has created a crowd-sourced encyclopedia of over 4 million articles. Class activities will include editing, writing and organizing knowledge to be included in Wikipedia.

### **LIS 5937 Wikipedia Governance**

Wikipedia, the free encyclopedia built collaboratively using wiki software, is the most visited reference site on the web. Cultural organizations have begun to hire Wikipedians. The National Library of Scotland hired a full-time Wikipedian in 2013 whose duties involve using the library's collections to update the online user-led encyclopedia and teaching staff and the public how to add to the site. The Gerald R. Ford Presidential Library, at the University of Michigan at Ann Arbor, was the first presidential library in the United States to have a "Wikipedian in residence" on its staff. Michael Barera, a master's student at Michigan's School of Information, was charged with increasing and enhancing the library's presence on Wikipedia in 2013. The University of California Berkeley American Cultures program has hired Kevin Gorman as the first Wikipedian-in-Residence at a U.S. university.

The course will provide techniques and skills to position librarians to work with the growing Wikipedia movement in a variety of academic and cultural settings. For additional background see: [Librarians as Wikipedians: From Library History to "Librarianship and Human Rights"](#)

### **LIS 5937 Youth Services in Public Libraries**

Students will learn the designing, planning and management of programs and services for children and their caregivers from birth through teens.

- Students will have an understanding of the ALSC Core Competencies
- Students will learn traditional, current, and emerging services provided by children's and young adult librarians in public libraries.
- Students will have the opportunity to practice programming skills.
- Students will observe and dialog with practicing children's librarians.
- Students will develop a plan for library services for children and/or teens.