Library and Information Science

Director

• David Eichmann

Graduate degree: M.A. in library and information science
Faculty: http://slis.grad.uiowa.edu/people/faculty
Web site: http://slis.grad.uiowa.edu/

Today's age is defined by the intersection of information, technology, and human creativity. In this context, library and information science is dedicated to understanding the nature of information, the interaction between information and communication technologies, the relationship between information and knowledge, the cognitive and affective aspects of knowledge acquisition, and the interface between people and information. It offers new knowledge, technological benefits, and professional expertise for every dimension of human affairs.

Library and information professionals take on many challenges in serving the needs of their constituencies—children and teachers, members of academic communities, employees of profit and nonprofit organizations, and the public at large—constituencies that range from information poor to information rich. They work in the contexts of issues such as information and communication technology, public and private information policy, managerial policy, and regional, national, and international economics.

The School of Library and Information Science prepares professionals to meet these diverse challenges. It offers a graduate-level program of preparation for careers in all types of libraries and information centers, providing students with a strong, well-rounded education in an environment that supports individuals from all segments of a multicultural, multietnic, and multilingual society. Its curriculum reflects the profession's immediate and long-range needs and prepares students to be leaders in a changing field.

By promoting excellence in research, the school contributes to the base of theoretical and practical knowledge in library and information science and helps develop an understanding of how to meet the varied and changing information needs of individuals and society. It also provides public service through continuing education programs, selective consulting services for library and information centers, and participation in professional organizations.

The school strongly encourages its students, faculty members, and alumni to shape the future of the profession by filling key roles in organizations involved in all aspects of the information cycle.

Graduate Programs of Study

• Master of Arts in library and information science

Graduate students working toward a degree in library and information science may elect to pursue a joint degree program offered by the school in collaboration with the College of Law. The school also offers a joint master's degree/certificate program with the Center for the Book. See "Joint Degrees" and "Joint M.A./Certificate" below.

Students interested in school librarianship may earn a teaching license through a joint program with the College of Education; see "Specializations"/"School Teacher Librarian" below. Library and information science students also may earn the Certificate in Informatics, described below.

The Master of Arts in library and information science has held continuous accreditation from the American Library Association since 1971.

Library science graduates have many options for employment. Alumni hold positions in public, school, special, and academic libraries as well as other information settings. They serve in varied roles, such as information consultant, database manager, library administrator, webmaster, network coordinator, cataloger, children's librarian, school library media specialist, and archivist.

Master of Arts

The Master of Arts in library and information science requires 36 s.h. of graduate credit. A thesis option is available for students who seek additional research experience.

Students pursuing the master's degree gain an understanding of the foundations of the library and information profession, including the history of the field, ethical and philosophical concerns, the information cycle, principles and procedures for dealing with a variety of information carriers, and the theory and practice of strategic management. They examine future trends, with emphasis on cutting-edge technological concerns. They study the discipline's research base, gaining heightened awareness of the synergism between library and information science and other disciplines, as well as the close relationship between research and practice. Finally, students become knowledgeable about the factors that underlie users' information needs and appropriate strategies to satisfy those needs.

The master's degree program is designed to be completed in two years. The School of Library and Information Science strongly recommends that students not register for more than 12 s.h. during fall and spring semesters and 8 s.h. during summer sessions. The program also may be completed through part-time study.

Students may apply a maximum of 12 s.h. of graduate transfer credit in library and information science or related areas toward the degree, subject to the approval of the transfer credit committee. Approval is given course-by-course and is determined by the course's content, currency, and applicability to the student's program.

The curriculum includes a proseminar and three tiers of course work. Tier I consists of four required courses that provide a solid grounding for all successive course work. For Tier II, students select four of the ten courses listed, based on their areas of interest. In Tier III, students may earn up to 12 s.h. in electives chosen with guidance from their advisors. This three-tier arrangement allows each student to concentrate in an area that most closely matches his or her professional goals.

Proseminar

Students must enroll in the proseminar during their first semester, along with two tier I courses.
SLIS:5000 Proseminar in Library and Information Science 0 s.h.

**TIER I**
All of these:
- SLIS:5010 Cultural Foundations (taken in student's first semester) 3 s.h.
- SLIS:5020 Computing Foundations (taken in student's first semester) 3 s.h.
- SLIS:5030 Conceptual Foundations 3 s.h.

One of these:
- SLIS:5041 Contextual Foundations—College and University Libraries 3 s.h.
- SLIS:5042 Contextual Foundations—Public Libraries 3 s.h.
- SLIS:5043 Contextual Foundations—Special Libraries 3 s.h.
- SLIS:5044 Contextual Foundations—School Library Media Administration 3 s.h.

**TIER II**
Four of these:
- SLIS:6020 Literacy and Learning 3 s.h.
- SLIS:6100 Database Systems 3 s.h.
- SLIS:6110 Evidence-Based Practice in Library and Information Science 3 s.h.
- SLIS:6130 Community Engagement 3 s.h.
- SLIS:6150 Information Behavior 3 s.h.
- SLIS:6170 Organizational Management 3 s.h.
- SLIS:6330 Archives and Media 3 s.h.
- SLIS:6335 Metadata Theories and Applications 3 s.h.
- SLIS:6345 Stewardship of Information and Collections 3 s.h.
- SLIS:6490 Information Policy and Ethics 3 s.h.

**TIER III**
With their advisor's guidance, students choose 12 s.h. in electives from the following courses.
- SLIS:4150 Introduction to Book Studies 3 s.h.
- SLIS:4900 Preservation and Conservation of Collection Materials 3 s.h.
- SLIS:4910 The Book in the Middle Ages 3 s.h.
- SLIS:4920 The Transition from Manuscript to Print 3 s.h.
- SLIS:5200 User Education: Multimedia 3 s.h.
- SLIS:5210 Reference and Information Services 3 s.h.
- SLIS:5220 Resources for Children 3 s.h.
- SLIS:5230 Resources for Young Adults 3 s.h.
- SLIS:5240 Resources for Adults 3 s.h.
- SLIS:5520 Studies in Book History 3 s.h.
- SLIS:5530 Topics in Preservation/Conservation 3 s.h.
- SLIS:5600 History of Readers and Reading 3 s.h.
- SLIS:5900 Health Informatics I 3 s.h.
- SLIS:6140 Digital Environments 3 s.h.
- SLIS:6160 Search and Discovery 3 s.h.
- SLIS:6190 Knowledge Management 3 s.h.
- SLIS:6250 Beginning Cataloging and Classification 3 s.h.

SLIS:6270 Electronic Publishing 3 s.h.
SLIS:6320 Topics: Conceptual Structures/Systems 1-3 s.h.
SLIS:6370 Topics in Book Studies 3 s.h.
SLIS:6375 Human Computer Interaction 3 s.h.
SLIS:6380 Analysis of Scholarly Domains 3 s.h.
SLIS:6430 Nonprofit Organizational Effectiveness I 3 s.h.
SLIS:6435 Nonprofit Organizational Effectiveness II 3 s.h.
SLIS:6490 Information Policy and Ethics 3 s.h.
SLIS:6520 Practicum in Libraries and Information Centers 2-3 s.h.
SLIS:6530 School Library Media Practicum 3 s.h.
SLIS:6570 Independent Study 1-3 s.h.
SLIS:6580 Thesis 0-3 s.h.
SLIS:6585 Design, Visualization, and Mapping 3-D Environments 3 s.h.
SLIS:6590 Digital Humanities Capstone 3 s.h.
SLIS:7290 Obermann Center Theory and Practice in Digital Public Humanities 3 s.h.

**Specializations**
Students' programs often are designed around particular career goals. Following are examples of possible specializations.

**PUBLIC LIBRARIES**
Public libraries provide informational, educational, and recreational materials and a wide range of services for a diverse clientele. Although public libraries receive the bulk of their funding from local taxes, they also may be organized on a regional or statewide cooperative basis. The variety of uses, services, materials, and organizational structures of public libraries makes this a challenging area of librarianship. Public librarians need to develop skills in analyzing the communities they serve, designing comprehensive marketing plans to meet their needs, implementing the plans in a cost-effective way, and evaluating the success of their efforts.

**ACADEMIC LIBRARIES**
The academic library, whether in a community college, a four-year college, or a university, provides information services in support of the parent institution's teaching, research, and public service missions. These services include instruction in the use of the library and its resources. Management skills and subject or language competence often are required. Since librarians in this setting usually are considered academic faculty members, a second master's or other advanced degree is desirable.

**SPECIAL LIBRARIES AND INFORMATION CENTERS**
Special libraries serve corporations, private companies, government agencies, technical and academic institutions, museums, medical facilities, and information management consulting firms. They are organized to anticipate and quickly respond to the specific information needs of their users. Special librarians are information resource experts who collect, analyze, evaluate, package, and disseminate information to facilitate accurate decision making. Knowledge of information technology and the ability to design services suitable to the parent organization are
The joint program also may be appropriate for students in a master's degree program. A minimum of 60 s.h. of graduate work is required for a joint degree. In addition to the joint J.D./M.A., joint programs may be found at the College of Law in the Catalog. Admittance to both programs before they may be admitted to each degree program is required. Applicants must be admitted to both programs before they may be admitted to the joint degree. For more information, see the Catalog.

Certificate in Public Digital Humanities

The School of Library and Information Science administers the graduate certificate program in public digital humanities. The program brings students together with varied academic backgrounds to learn how to communicate, sort out the roles required for fully functioning teams, and understand the unique contributions made by individuals across disciplines. Students learn to appreciate the diversity of humanities research methods while identifying core digital activities that underlie research projects. The Certificate in Public Digital Humanities requires 15 s.h. of graduate credit. The program is open to all University of Iowa graduate students in good academic standing. Students must maintain a g.p.a. of at least 3.00 in work for the certificate. For more information, see Public Digital Humanities in the Catalog.

Related Certificate: Informatics

The Graduate College offers the Certificate in Informatics, with four subprograms open to students enrolled in the library and information science M.A. program: the bioinformatics and computational biology subprogram, the geoinformatics subprogram, the health informatics subprogram, or the information science subprogram. All subprograms require a minimum of 18-21 s.h. of graduate credit. The certificate program requires students to complement their studies with foundational and applied knowledge in informatics. Certificate course work includes core courses and approved electives. To learn more, see "Certificate" in the Informatics section of the Catalog.

Honor Society

The Beta Beta Theta Chapter of Beta Phi Mu, the international honor society for library and information science, is located at the University of Iowa. Each year new members are chosen from the top 25 percent of the preceding year's graduating classes. To be eligible for membership, graduates must achieve a g.p.a. of at least 3.75, demonstrate professional promise, and be recommended by the faculty.

Student Organizations and Activities

All M.A. students in the school are automatically members of LISSO, the Library and Information Science Student Organization, which also serves as the student chapter of the American Library Association. LISSO sponsors various activities, such as speaker series, workshops, brown bag lunches, and social events. Participation in LISSO...
events provides students with significant opportunities for professional and extracurricular growth. Students also are encouraged to join other state and national professional organizations.

The electronic journal _Bsides_ was created and is edited entirely by library and information science students. The journal publishes work by current students and recent alumni in a wide variety of formats, such as research papers, PowerPoint presentations, and web sites.

**Admission**

Applicants for admission to the M.A. program are required to have a g.p.a. of at least 3.00 on a 4.00 scale. The admission committee also considers each applicant’s letters of recommendation, statement of purpose, and other appropriate criteria. Graduate Record Examination (GRE) scores are not required. Admission is competitive.

Applicants whose first language is not English must score at least 81 (Internet-based) on the Test of English as a Foreign Language (TOEFL). Applicants with TOEFL scores below 100 on the Internet-based test are required by the University to take an English Proficiency Test if admitted to the program. In place of TOEFL, the school also accepts International English Testing System (IELTS) scores of 7.0 or higher, with no subscore below 6.0. Applicants who submit IELTS scores are required to take an on-campus English proficiency evaluation.

Applicants begin the admission process by submitting an online graduate application through the Office of Admissions. The process requires a completed application form, transcripts of all academic work, a written statement of purpose and goals, and three letters of recommendation.

Completed applications should be received by the school by February 1 for consideration for fall admission. Decisions of the admissions committee are announced approximately six weeks after the application deadline. Late applications are considered if places are still available. Financial aid often is not available for late applicants. Admitted students are assigned a faculty advisor for program planning at the end of their first semester.

Applicants must meet the admission requirements of the Graduate College; see the Manual of Rules and Regulations of the Graduate College.

**Financial Support**

The School of Library and Information Science offers partial-tuition scholarships and one-quarter-time graduate assistantships. To be considered for scholarships or assistantships, applicants must meet the M.A. program’s grade-point average requirement for admission (see “Admission” above). Prospective students must submit letters of application for scholarships before February 1. Graduate assistantships are advertised as they become available; students should apply for specific assistantships.

For information on departmental scholarships, contact the School of Library and Information Science or visit its web site. Part-time employment usually is available in the University Libraries and other campus units.

Applications for student loans, work-study eligibility, or other financial assistance should be submitted directly to the University’s Office of Student Financial Aid.

**Job Placement**

The school shares announcements of national and international job opportunities through an electronic mailing list. In addition, LISSO sponsors talks by speakers versed in areas of librarianship as well as workshops on résumé writing and interviewing. Internships and the school’s practicum courses provide students with hands-on experience that may enhance their job prospects.

**Facilities, Resources**

The School of Library and Information Science is housed in the south wing of the University’s Main Library, in a setting that promotes community among students, faculty, and staff and provides easy access to resources of the University of Iowa Libraries. Facilities are provided for the varied instructional and research activities of the school.

**Gunther Commons**

Gunther Commons, a state-of-the-art collaboratory, is the school’s combined student center and technology lab. Individuals and teams of students gather in the collaboratory to work on course assignments and to gain experience with specialized software that supports the latest teaching technologies. Students have access to both Windows and Macintosh computers in the collaboratory, with gigabit access to the campus network and wireless service throughout the Main Library.

**University of Iowa Libraries**

All of the resources of the University of Iowa Libraries are available to the school’s students and faculty. The system contains more than 4 million volumes in the Main Library and six departmental libraries.

The web-based catalog provides access to books and periodicals, electronic indexes, and full-text databases held by University Libraries. In addition, the InfoHawk Catalog to online resources provides access to selected Internet and CD-ROM resources arranged by subject and academic discipline. Wireless Internet access is widely available in the Main Library.

The third floor of the Main Library houses the map collection and Special Collections & University Archives, including the Iowa Women’s Archives.

**Other Libraries**

Students have access to a variety of libraries through field trips, practicum experience, and personal use: the State Historical Society of Iowa library in Iowa City; the Iowa City, Coralville, and Cedar Rapids public and school libraries; the Augustana, Coe, Cornell, Mount Mercy, and Grinnell College libraries; and the Herbert Hoover Presidential Library and Museum in West Branch.

**Other Resources**

The second floor of the University Capitol Centre (UCC) houses the instructional services and campus services departments of the University’s Information Technology Services. It provides instructional and research computing facilities and services for the University community. All University students, staff, and faculty may use the center’s computers for University-related research, thesis preparation, and class work. Instructional Technology Centers provide campuswide access to the University’s academic computing resources and the Internet.
Courses

**SLIS:4150 Introduction to Book Studies** 3 s.h.
Theory and practice of book studies; meanings of word and image in the book format; comparative study of other media, applied study of the codex as physical artifact. English majors may apply this course to the following area and/or period requirement. AREA: Literary Theory and Interdisciplinary Studies. PERIOD: Early Literatures Through 17th Century, or 18th/19th-Century Literature, or 20th/21st-Century Literature. Same as ENGL:4150, UICB:4150.

**SLIS:4900 Preservation and Conservation of Collection Materials** 3 s.h.
Overview of responsible stewardship of library and archival collections; principles and practice of book conservation with focus on prototypes for conservation rebinding; appropriate care of books, papers, photographs (traditional and digital), film, and other non-print items; fundamental instruction in methods of page repair, investigation of eight historical prototypes, construction of related conservation binding models; lecture, discussion, student presentation, and hands-on activities. Prerequisites: SLIS:5010.

**SLIS:4910 The Book in the Middle Ages** 3 s.h.
Relation of text, decoration, function, creators, and audience in different genres of medieval manuscript books 400-1500 A.D. Same as HIST:4910, UICB:4910.

**SLIS:4920 The Transition from Manuscript to Print** 3 s.h.
Western manuscripts and books 1200-1600; changes in production and distribution methods and in how texts were used, in cultural context. Same as UICB:4920, HIST:4920.

**SLIS:5000 Proseminar in Library and Information Science** 0 s.h.
Integrated view of different areas of library and information science; early program exposure to faculty members and their research interests. Requirements: library and information science major.

**SLIS:5010 Cultural Foundations** 1-3 s.h.
The role of libraries and information agencies in society; major issues, including information policy, professional ethics, literacy, diversity, technology, pedagogy. Requirements: admission to library and information science.

**SLIS:5020 Computing Foundations** 3 s.h.
Introduction to analysis, specification, and design of automated systems; review of the software life cycle; testing, deployment, and evaluation of large, computer-based software. Requirements: admission to library and information science.

**SLIS:5030 Conceptual Foundations** 3 s.h.
Theory, principles, and standards in organization of information; function of catalogs, indexes, bibliographic networks; introduction to metadata descriptions, name and title access, subject analysis, controlled vocabularies, classification systems. Requirements: admission to library and information science.

**SLIS:5041 Contextual Foundations—College and University Libraries** 3 s.h.
Objectives, organization, unique functions and services of academic libraries; educational environment in which academic libraries function; examination of issues and problems affecting academic libraries. Prerequisites: SLIS:5010. Corequisites: SLIS:5010, if not taken as a prerequisite.

**SLIS:5042 Contextual Foundations—Public Libraries** 3 s.h.
Historical development of public libraries; current issues in public library management and policy making, including intellectual freedom; readers advisory service and genres of popular materials for adults. Prerequisites: SLIS:5010. Corequisites: SLIS:5010, if not taken as a prerequisite.

**SLIS:5043 Contextual Foundations—Special Libraries** 3 s.h.
Management, organizational structures, collections, client services in special libraries; site visits to a variety of special libraries, information centers; projects that apply theoretical principles. Prerequisites: SLIS:5010. Corequisites: SLIS:5010, if not taken as a prerequisite.

**SLIS:5044 Contextual Foundations—School Library Media Administration** 3 s.h.
Design of library media programs for the major functions of teaching and learning, information access, and program administration; focus on curricular and teaching responsibilities of school librarians and media specialists, development of philosophy, examination of roles and responsibilities, and program evaluation. Prerequisites: SLIS:5010. Corequisites: SLIS:5010, if not taken as a prerequisite.

**SLIS:5200 User Education: Multimedia** 3 s.h.
Learning theory as it relates to design of multimedia products for user education; presentation of information using multimedia technology in a Macintosh environment; development of user education products in linear and nonlinear forms.

**SLIS:5210 Reference and Information Services** 3 s.h.
Resources and services; essential reference services and experience using a variety of print and electronic resources to answer specific reference questions. Prerequisites: SLIS:5010.

**SLIS:5220 Resources for Children** 3 s.h.
Evaluation and use of books, magazines, electronic media, and other sources of information and recreation in relation to youth development.

**SLIS:5230 Resources for Young Adults** 3 s.h.
Topics related to populations served by youth services departments (e.g., societal issues, informational needs); seminar.

**SLIS:5240 Resources for Adults** 3 s.h.
Role of libraries in meeting adults' informational and recreational needs; popular culture materials, Reader's Advisory services, lifelong learning.
SLIS:5520 Studies in Book History 3 s.h.
Topics related to production, distribution, and consumption of books through history and into the future. Same as UICB:5520.

SLIS:5530 Topics in Preservation/Conservation 3 s.h.
Care, conservation, and preservation of cultural heritage artifacts; readings, discussion, hands-on sessions. Same as UICB:5530.

SLIS:5600 History of Readers and Reading 3 s.h.
Cultural nature of reading practices in historic and contemporary contexts of reading; reading communities; dimensions of gender, age, class, religion, race, ethnicity; examples of recent scholarship; use of primary resources; seminar. Same as UICB:5600.

SLIS:5900 Health Informatics I 3 s.h.
Technological tools that support health care administration, management, and decision making. Requirements: graduate standing. Same as MED:5300, RSNM:3195, HMP:5370, IE:5860, IGPI:5200.

SLIS:6020 Literacy and Learning 3 s.h.
Learning and literacy theory relevant to work in information services; how librarians can help people process information and use it to form understanding and create new knowledge. Prerequisites: SLIS:5010.

SLIS:6100 Database Systems 3 s.h.
Design and development of a database-driven information system, including interfaces, database schema, and essential database operations; focus on widely used relational database model. Prerequisites: SLIS:5020.

SLIS:6110 Evidence-Based Practice in Library and Information Science 3 s.h.
Using research methods to create useful data to analyze library processes and assess effective programs in libraries; using results of research to improve library programs.

SLIS:6130 Community Engagement 3 s.h.
Ways in which information professionals in libraries and other settings learn about, collaborate with, and provide services and outreach to community members; introduction and overview of community engagement theory and practice; service learning or community-based research projects. Prerequisites: SLIS:5010.

SLIS:6140 Digital Environments 3 s.h.
Methods and models for building digital libraries; organization with metadata; standards such as those for object identifiers, open access, building cross-linkages between collections; automatic harvesting of content. Prerequisites: SLIS:5020.

SLIS:6150 Information Behavior 3 s.h.
Understanding how information users approach their information needs; concepts for understanding information use; analysis of user communities.

SLIS:6160 Search and Discovery 3 s.h.
Search system architecture; information needs and queries; search models; concepts in relevance and queries; search models; concepts in relevance and query; information quality measures.

SLIS:6170 Organizational Management 3 s.h.
Survey of management issues common to all information environments—understanding organizations, decision making, hiring and personnel, grant writing, and marketing.

SLIS:6190 Knowledge Management 3 s.h.
How organizations acquire, manage, and use information; knowledge management and competitive intelligence, information from inside and outside the organization; organization types, including library, corporate, and nonprofit. Same as MSCI:6190.

SLIS:6250 Beginning Cataloging and Classification 3 s.h.
Systems for describing materials and information in catalogs and organizing them for effective retrieval in libraries, museums, and other information centers; AACR2 descriptive principles, Dewey and Library of Congress classifications, Sears and LC subject headings, cataloging networks and services. Prerequisites: SLIS:5030.

SLIS:6270 Electronic Publishing 3 s.h.
Modes and methods for building electronic journals, books, thematic collections; new genres for publishing, including blogs, wikis, comics, short stories on the web; social, political, and economic forces that shape electronic publishing; XML-based project. Prerequisites: SLIS:5020. Same as UICB:6270.

SLIS:6320 Topics: Conceptual Structures/Systems 1-3 s.h.
Special topics relevant to conceptual structures (e.g., knowledge, representation, manipulation schemes) and systems (e.g., intelligent OPACS, user interface technologies).

SLIS:6330 Archives and Media 3 s.h.
Collecting as a core library activity; various types of media collected, from traditional print media to new digital media; how archives are structured and managed to provide for selection, organization, access, and perpetual storage; work on sample collections, presentation of techniques and concepts. Prerequisites: SLIS:5010 and SLIS:5030.

SLIS:6335 Metadata Theories and Applications 3 s.h.

SLIS:6345 Stewardship of Information and Collections 3 s.h.

Principles for creating, building, and maintaining digital and print collections in libraries and other information organizations. Prerequisites: SLIS:5010. Corequisites: SLIS:5010 if not taken as a prerequisite. Requirements: Admission to Library and Information Science program.

**SLIS:6370 Topics in Book Studies** 3 s.h.
Topics relevant to book studies and special collections. Same as UICB:6370.

**SLIS:6375 Human Computer Interaction** 3 s.h.
Design user interfaces for interacting with information, emphasis on system design and evaluation (as opposed to system implementation); construct interface prototypes, conduct evaluations of design. Prerequisites: SLIS:5020.

**SLIS:6380 Analysis of Scholarly Domains** 3 s.h.
Information transfer in academic disciplines; scientific method, other means of knowledge construction, resulting literatures; reference tools used to control literature for a variety of audiences; emphasis on humanities, social sciences, or sciences.

**SLIS:6430 Nonprofit Organizational Effectiveness I** 3 s.h.

**SLIS:6435 Nonprofit Organizational Effectiveness II** 3 s.h.

**SLIS:6490 Information Policy and Ethics** 3 s.h.
Ethical and legal issues as they relate to information policy development and interpretation; application of information policies to address problems in information organizations.

**SLIS:6520 Practicum in Libraries and Information Centers** 2-3 s.h.
Supervised field experience in selected libraries and information centers; emphasis on application of theory to practice; at least 80 hours of fieldwork.

**SLIS:6530 School Library Media Practicum** 3 s.h.
Supervised field experience in library media centers at elementary and secondary school levels; emphasis on application of theory to practice; at least 80 hours of fieldwork. Prerequisites: SLIS:5044.

**SLIS:6570 Independent Study** 1-3 s.h.
Formal contract between student and faculty member. Requirements: formal proposal.

**SLIS:6580 Thesis** 0-6 s.h.

**SLIS:6585 Design, Visualization, and Mapping 3-D Environments** 3 s.h.
Introduction to foundational modeling theory, methodology, and conceptual principles of design necessary to present information in visual formats; various software including data management solutions, database concepts, and simple programming skills that assist in visualizing and disseminating data through multiple digital and online media; basic graphing tools to map data; how to model physical properties and theoretical reconstructions of architectural elements in various 3-D digital modeling environments. Requirements: admission to public digital humanities certificate program. Same as CLSA:6585.

**SLIS:6590 Digital Humanities Capstone** 3 s.h.
Application and practice of classroom experience to a specific project under guidance from a faculty member and project team leader. Requirements: completion of 12 s.h. and good standing in digital humanities certificate program.

**SLIS:7290 Obermann Center Theory and Practice in Digital Public Humanities** 3 s.h.
Overview of theories and use of technology to preserve, deploy, visualize, map, and analyze concepts; discussions with practicing digital public scholars; assignments tailored to student research; final group project; introductory course in public digital humanities certificate. Same as GRAD:7290.