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**LIS Library and Information Science**

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- LIS 510 CHILDREN'S LITERATURE AND RELATED MATERIALS. (3)**  
A survey of children's literature, traditional and modern. Reading and evaluation of books with multimedia materials with emphasis on the needs and interests of children. Covers media for use by and with children from preschool through grade six.
- LIS 514 LITERATURE AND RELATED MEDIA FOR YOUNG ADULTS. (3)**  
A study of literature and related materials for use with young people in grades 6-12. Emphasis is placed on the special characteristics and needs of young people and the evaluation of materials for this age group.
- LIS 600 INFORMATION IN SOCIETY. (3)**  
An introduction to the nature of information (both utilitarian and aesthetic) in contemporary society, and to the role played by libraries and other information organizations in disseminating that information. Emphasis is on developing perspective.
- \*LIS 601 INFORMATION SEEKING, RETRIEVAL AND SERVICES. (3)**  
An introduction to the theory and practice of information seeking and retrieval. Emphasis is placed on the roles played by information professionals to assist navigation of the user-system interface including questions negation, the formulation of effective search strategies for information retrieval, and the evaluation of information sources and services. Ethics of information evaluation and services is also considered.
- \*LIS 602 INFORMATION REPRESENTATION AND ACCESS. (3)**  
An introduction to principles and practices of information analysis, description, access, control, and organization. Focuses on the representation of information through metadata records, indexes, and abstracts. Examines the operations, process, tools, and methods of describing and organizing information sources; application of standards of both name and subject access points; as well as information storage systems.
- LIS 603 MANAGEMENT IN LIBRARY AND INFORMATION SCIENCE. (3)**  
An introduction to the basic elements of management and how these are applied to the effective administration of information systems. Focus will be placed on two major roles in a system, the person who is supervised as well as the manager or supervisor. Examination of the functions of planning, organization, staffing and controlling as well as the theories of management and the effective use of these in an information system.
- LIS 604 LIBRARY AND BOOK HISTORY. (3)**  
Development of libraries and books from earliest time to the present with special reference to their relationship to contemporary social, economic, cultural and political trends. Emphasis is given to American library and book history.
- LIS 605 INFORMATION POLICY AND TECHNOLOGY REGULATION. (3)**  
Examination of the three models of regulation by which society govern communication and information, and the problems and opportunities brought about by technological changes to media. Prereq: LIS 600 or consent of instructor.
- LIS 608 METHODS OF RESEARCH IN LIBRARY AND INFORMATION SCIENCE. (3)**  
Basic tools, techniques and methods of research. Consideration is given to the role and purpose of research in library and information science and its relationship to research in other disciplines. Includes critical evaluation of current research in library and information science and the development of a research proposal. Prereq: LIS 601, LIS 602 or consent of instructor.
- LIS 609 CURRENT PROBLEMS IN LIBRARY AND INFORMATION SCIENCE. (3)**  
A seminar which examines current philosophical and managerial issues in library and information science. Focus is on the analysis, origins, evaluation and current status of these issues. Prereq: Eighteen hours of graduate study in LIS or consent of instructor.
- #LIS 610 LIBRARY MATERIALS AND LITERATURE FOR CHILDREN. (3)**  
A survey and historical study of library materials and literature for children up to grade 6. Students will engage in extensive reading, and in the evaluation of books and some multimedia materials. Basic programming will be explored.

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- LIS 611 CRITICAL ANALYSIS OF CHILDREN'S LITERATURE. (3)**  
Advanced study of book evaluation, literary criticism, children's book publishing, awards, and current trends in the field. Individual projects require extensive critical reading. Prereq: LIS 510 or LIS 613 or consent of instructor.
- LIS 613 INFORMATION RESOURCES AND SERVICES FOR CHILDREN. (3)**  
A study of effective programming for children and young adults. Emphasis is placed on oral presentations. Literature-based activities and community outreach. Prereq: LIS 510 or consent of instructor.
- #LIS 614 LIBRARY MATERIALS AND LITERATURE FOR YOUNG ADULTS. (3)**  
A study of literature and related materials for use with young people in grades 7-12. Emphasis is placed on the special characteristics and needs of young adults and the evaluation of materials for this age group.
- LIS 615 PROSEMINAR IN COMMUNICATION AND INFORMATION SYSTEMS. (3)**  
This course is an introductory graduate-level survey of theory and research on human communication mediated by communication and information technologies. This course is designed to cover the areas not typically addressed in traditional courses of mass or interpersonal communication, including theory and research on the use of computers and electronic communication over a variety of communication and information systems. Prereq: Graduate standing or consent of instructor. (Same as CJT 615.)
- LIS 622 SOCIAL SCIENCE INFORMATION. (3)**  
Examination of important issues and developments relating to creation, packaging, dissemination and use of social science information by various segments of society. Emphasis on understanding information needs of those who use social science information and information systems, source and services available to satisfy those needs. Prereq: LIS 601 or consent of instructor.
- LIS 623 INFORMATION IN THE HUMANITIES. (3)**  
The content and structure of bibliographic and other information resources in the humanities. A consideration of formal and informal communication within the humanities with emphasis on information sources and services in religion, philosophy, literature, linguistics, visual arts, music, dance, theatre, film and other closely related subjects. Prereq: LIS 601 or consent of instructor.
- LIS 624 INFORMATION IN SCIENCE AND TECHNOLOGY. (3)**  
The content and structure of bibliographic and other information resources in science and technology. A consideration of formal and informal communication in science and technology with emphasis on sources and services in agriculture, astronomy, biology, chemistry, mathematics, natural resources, zoology, and other closely related subjects. Prereq: LIS 601 and LIS 602 or consent of instructor.
- LIS 625 INSTRUCTIONAL SERVICES. (3)**  
Examines instructional services that libraries and other information-related organizations offer their clients to provide them with the knowledge and skills they need to effectively use information resources. Attention is given to the nature of instructional services, the instructional needs of clients, information literacy, methods of instruction, teaching and learning styles, instructional design and the evaluation of students and instruction. Prereq: LIS 601 or consent of instructor.
- LIS 630 ONLINE INFORMATION RETRIEVAL. (3)**  
This course examines online information retrieval processes and services. It emphasizes searching commercially available online retrieval systems and databases and focuses on two major components of electronic searching strategies: the knowledge about system structure of electronic databases and the various strategies, models and approaches to online searching. The course contents cover the pre-search interview, query analysis, database selection, search strategy development, online protocol, and evaluation of search results. Current status of and future trends in the online industry are also discussed.. Prereq or concur: LIS 601, LIS 602 or consent of instructor.
- LIS 636 FOUNDATIONS OF INFORMATION TECHNOLOGY. (3)**  
A study of the computing fundamentals necessary for the understanding and use of information technology. Focus is on examining computer systems in concept and practice, which is essential to information professionals. Topics include how computers represent, process, store and retrieve information; how operating systems control these processes, interpret commands, present the user interface, and run applications; how databases are designed and created; how general understanding of programming processes and productivity software skills is important in a variety of professional contexts. Productivity applications include the Office suite, Internet applications and web publishing, and database management systems.



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- LIS 645 PUBLIC LIBRARIES. (3)**  
Examines historical development of the public library and its roles in society. Topics considered include the environment of public libraries; organization and management; information needs of client groups; information resources and services provided to clients; and trends developments in public libraries. Prereq: LIS 601 and LIS 602 or consent of instructor.
- LIS 646 ACADEMIC LIBRARIES. (3)**  
Examines historical development of academic libraries and their roles in higher education. Topics considered include the environment of academic libraries, organization and management needs of client groups, information resources and services provided clients; and issues, trends, and developments in academic libraries. Prereq: LIS 601 and LIS 602 or consent of instructor.
- LIS 647 CURRENT TRENDS IN SCHOOL MEDIA CENTERS. (3)**  
An intensive study of trends in school media centers with emphasis on research, technology, and the role of the school media specialist in the school curriculum.
- LIS 648 TECHNOLOGY IN THE SCHOOL MEDIA CENTER. (3)**  
Consideration of new and emerging educational technologies that could be integrated into school curriculum. Includes hands-on experiences as well as critical reading and discussion on current issues relating to educational technology and the role of the media specialist in technology integration.
- LIS 650 TECHNICAL PROCESSING SYSTEMS. (3)**  
A survey of manual and computer-based technical processing systems in libraries. Consideration given to circulation, acquisitions, cataloging and serial control systems. Trends and developments in technical processing, files and records management, and technical processing procedures and activities are examined. Prereq: LIS 602 or consent of instructor.
- LIS 653 PRESERVATION MANAGEMENT. (3)**  
Considers the many facets of paper, non-print, and digital preservation with the aim of providing the knowledge and awareness necessary to be able to incorporate preservation principles, concepts, and practices into all aspects of library and information center management. Includes hand-on experience.
- LIS 655 ORGANIZATION OF KNOWLEDGE I. (3)**  
Theories and practice of bibliographic description and subject analysis. Covers the organization of both print and electronic information, including use of Anglo-American Cataloging Rules, Dewey Decimal Classification, Library of Congress Classification and Library of Congress Subject Headings. Prereq: LIS 602 or consent of instructor.
- LIS 656 ORGANIZATION OF KNOWLEDGE II. (3)**  
In-depth coverage of the theories and practice of bibliographic description and subject analysis. Covers the organization of both print and electronic information and authority control. Emphasis is on problems in practice, special case studies, current issues and future trends of description, subject analysis and online authority control. Prereq: LIS 655. or consent of instructor
- LIS 659 COLLECTION DEVELOPMENT. (3)**  
Intellectual and administrative aspects of building, maintaining and evaluating library collections. Topics include: library cooperation; national standards; the writing and implementation of collection policies; strategies of selection and evaluation; contemporary publishing and the book trade.
- LIS 668 INFORMATION SYSTEMS DESIGN. (3)**  
Study of concepts and methods of information system design and development with particular relevance to library and information center applications. Emphasis is given to modeling of system functions, data, and processes of computer-based information systems including the development of small scale information systems. Prereq: LIS 636 or consent of instructor. (Same as CJT 668.)
- LIS 675 PROFESSIONAL FIELD EXPERIENCE. (3)**  
Professional field experience in a library or other information-related organization. Student assumes entry level professional duties and responsibilities in an operational setting under the close supervision of an information professional. Available only to those students lacking similar experience and may not be repeated. Requires minimum of 140 hours of experiential learning, and the completion of a term paper or special project under the direction of the course coordinator. Prereq: Completion of 18 hours of graduate work in library and information science and consent of course coordinator.

