

QUEENS COLLEGE, CUNY

**GRADUATE SCHOOL OF  
LIBRARY AND INFORMATION  
STUDIES**

**COMPLETE COURSE LISTINGS**

**SEPTEMBER 2013**



# Graduate School of Library & Information Studies

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*Graduate Advisor - Admissions:* Claudia Perry

*Graduate Advisor - Continuing Matriculated Students:*  
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## FACULTY

Cool, Colleen, Chair and Professor, PhD 1997, Rutgers  
University: digital libraries; information science;  
research methods

Alexander, Ben, Graduate Advisor – Continuing  
Students, Assistant Professor, PhD 2005, City  
University of New York: archives and manuscripts;  
preservation and conservation of materials; history of  
books and printing

Perry, Claudia, Graduate Advisor – Admissions and  
Associate Professor, PhD 1996, Rutgers University:  
information science; new media; scientific and  
technical information sources

Brody, Roberta, Professor, PhD 1996, Rutgers  
University: business information and competitive  
intelligence, digital humanities; reference

Cooper, Linda, Associate Professor and Graduate  
Advisor - School Library Media Specialists, PhD  
2001, Rutgers University: administration of school

library media centers; programs and services of  
school library media centers; information literacy in  
school library media centers

Chelton, Mary K., Professor, PhD 1997, Rutgers  
University: adult reader advisory services; public  
libraries; young adult services

Kibirige, Harry M., Professor, PhD 1979, University of  
Pittsburgh: information retrieval; information science;  
systems analysis

Li, Ping, Assistant Professor, PhD 2007, McGill  
University: reference and user services; instructional  
services; health sciences librarianship

Marcum, James W., Professor, PhD 1970, University  
of North Carolina: academic libraries, library  
management, information culture, literacy

Ng, Kwong Bor, Associate Professor, PhD 1998,  
Rutgers University: information retrieval algorithms;  
knowledge organization and representation; text  
encoding standards and metadata schemes

Surprenant, Thomas T., Professor, PhD 1979, University  
of Wisconsin at Madison: administration; distance  
learning; instructional technology

Valero, Walter, Lecturer, MLS 2010, Queens College:  
digitization, web design

## VISION, MISSION AND GOALS

### Vision:

Engaging learning, research, and knowledge to shape  
library and information environments and organizations  
to enable access.

### Mission:

To create a community of reflective and adaptable  
service-oriented professionals to develop and improve  
the information-intensive environments of diverse  
communities while retaining the core values and ethics  
of librarianship.

### Goals:

1. Foster resiliency through critical thinking and problem solving
2. Encourage leadership through communication, collaboration and partnering
3. Create connections among theory, research, and practice
4. Foster ethical practices and outstanding stakeholder service
5. Enable students to master competencies appropriate to their career plan as specified by professional agencies (e.g., ALA, ACRL, PLA, SLA, SAA, AASL, etc.)

### Admissions Policies and Procedures

Students may be admitted to the Graduate School of Library and Information Studies on a matriculated or a non-matriculated basis. The School admits students for both the Fall and Spring terms. Since deadlines for applications for each semester may vary, it is advisable to visit the School's website or telephone the GSLIS office for current information. Applications are made online from the Queens College website. For general policies, procedures and requirements, please consult the opening pages of this Bulletin. In addition, the following is also required:

1. Proof of proficiency in the English language is required of all applicants whose first language is not English, and who were educated in a country where English is not the official language. This requirement is not based upon country of citizenship or permanent residency, but on the two stated conditions. Such applicants must fulfill this requirement by taking the Test of English as a Foreign Language (TOEFL) administered by the Educational Testing Service. A score of at least 600 on the TOEFL is required for admission to the School. Score reports must be received before a student can be admitted. Those whose score falls below 600 will be required to take and pass the

## GRADUATE SCHOOL OF LIBRARY & INFORMATION STUDIES

graduate College English as a Second Language (CESL) course, which does not count towards graduate work.

2. Applicants whose undergraduate cumulative grade-point average is below 3.0, but who otherwise merit consideration for admission, may be required to take the Graduate Record Examination (GRE).

3. Applicants with undergraduate GPAs below 3.0 who hold advanced degrees are not required to take the GRE.

4. A meeting with the Director of the School, the Graduate Advisor, or a member of the School's Admissions Committee will be required before a decision on admission is made.

5. Applicants to all School Library Media Specialist programs must first be admitted to GSLIS via the standard application procedure.

6. Admission to the Library Media Specialist Program for Certified Teachers additionally requires that the applicant possess a valid New York State teaching certification.

7. Admission to the Library Media Specialist Program (school) for applicants who are not yet certified teachers in New York State additionally requires documentation of completion of the core background in Liberal Arts and Sciences stipulated by New York State, which is articulated in the Library Media Specialist program description below, as well as a satisfactory onsite writing sample.

8. Admission to the Library Media Specialist Advanced Certificate Program for applicants who are not yet certified teachers in New York State requires documentation of a completed Masters Degree in Library [and Information] Science from an ALA-accredited program, documentation of completion of the core background in Liberal Arts and Sciences stipulated by New York State (articulated in the Library Media Specialist Advanced Certificate Program description below) as well as a satisfactory onsite writing sample.

### Non-Matriculated Status

Some students may register in the school as non-matriculants with permission of the Graduate School of Library and Information Studies. Students who are fully matriculated in another accredited library school may, with permission from their home institution and from the Director or Graduate Advisor of the GSLIS, register for individual graduate library science courses, when space is available.

Applicants who do not qualify for matriculated status may be admitted as non-matriculants with the approval of the Graduate Advisor. Courses taken as a non-matriculated student may be credited toward the MLS degree if a grade of *B* (3.0) or better is attained. A non-matriculant wishing to matriculate may have a maximum of 12 credits accepted towards the degree by the School.

A student who has been awarded the MLS degree and wants to enroll for additional courses must file an application for admission as a graduate non-matriculant with the Graduate Admissions Office by the appropriate deadline date.

### Registration

Students may register only after their program has been approved by a faculty member. Approved matriculated and non-matriculated students will receive instructions from the Graduate Admissions Office and the Graduate School of Library and Information Studies regarding dates and times of registration.

### SUNY-Stony Brook-GSLIS Partnership

The Graduate School of Library and Information Studies has a cooperative agreement with SUNY-Stony Brook that allows students *who are not yet* matriculated at the GSLIS to complete up to four of the core courses at SUNY-Stony Brook. Upon admission and matriculation at the GSLIS, these credits (up to the limit of 12) can be transferred and credited toward the 36-credit requirement of the MLS degree.

Students who are matriculated at the GSLIS may take these courses at SUNY at Stony Brook as well. However, these students must receive permission from the Graduate Advisor and complete a permit form (available through the Registrar's Office) prior to enrolling in a course(s) at a non-CUNY institution. If this is not done, credits earned for courses completed at SUNY at Stony Brook will *not* be accepted by Queens College and applied to a student's degree program.

### Academic Requirements

The curriculum has been designed as a coordinated, sequential program. Two major components comprise the curriculum: the required basic program—a group of core and required courses integrating the subject matter common to the field—and the elective program of specialized and advanced courses. Within this structure it is possible to design a generalist program for the student who does not want to specialize, as well as specialized single- or multi-purpose programs as described below. Specialized programs may include courses in other departments at Queens College and at other units of the City University of New York. The curriculum also provides opportunities for internship experiences and independent study.

### Requirements for the Master of Library Science Degree

The program of courses leading to the Master of Library Science degree consists of 36 credits completed with an overall average of at least *B* (3.0 index). All requirements for the degree must be completed within four years after admission to the program or four years after the first course was credited, including credits earned as a non-matriculant or credits transferred. Extensions of time may be granted under compelling circumstances. The MLS degree is offered in three programs; Library Media Specialist for Certified Teachers, Library Media Specialist, and General for those working in all other library and information-intensive environments.

## GRADUATE SCHOOL OF LIBRARY & INFORMATION STUDIES

Please note that basic course/certificate requirements and descriptions are subject to change. For up-to-date information contact the Graduate School of Library and Information Studies.

### Basic Core Sequence

The basic sequence consists of five courses required of all students, regardless of program. All entering students are expected to complete the following four core courses at the start of their studies:

- LBSCI 700 The Technology of Information
- LBSCI 701 Fundamentals of Library and Information Science
- LBSCI 702 Information Sources and Service: General
- LBSCI 703 Introduction to Technical Services

In addition to the four courses listed above, after completing at least 21 credits, all students must complete this fifth required course, LBSCI 709, which includes a research project. The student's project report must give evidence of ability to integrate knowledge obtained from the individual courses constituting the MLS program. Satisfactory completion of a research project is mandated by the New York State Department of Education for receipt of the MLS degree.

### Research Project

- LBSCI 709 Research in Library and Information Studies

Students who have previously completed a master's thesis may apply to fulfill this requirement by completing LBSCI 791: Independent Study. Students who believe they are eligible to take LBSCI 791 should consult the Graduate Advisor to obtain approval at the outset of their program.

### Programs for Specialization

Beyond the five required courses in the basic sequence, varied courses reflecting special areas of interest in library and information studies are offered. New courses are continuously added to further enrich the curriculum. Students should consult faculty advisors on the choice and scheduling of such courses.

Both the Library Media Specialist for Certified Teachers program and the Library Media Specialist program have previous professional education requirements as noted below. Except for specialization in the Library Media Specialist for Certified Teachers program or Library Media Specialist program, the MLS degree program does not *require* particular specialized offerings.

For all other students in the MLS program, courses are available for professional interests including, but not limited to, types of libraries and information-related agencies, functions within them, types of users and media. Types of libraries may include public, academic, research, and special libraries, as well as information-based agencies such as archives and media centers. Functions may include administration, reference/information services, and web-based and other technical services. The types of user may include children and young adults, and those in the corporate and the not-for-profit environments.

Queens College permits up to twelve graduate credits to be taken outside the School. Such courses must have the prior approval of the Graduate Advisor as well as of the other department or institution and must be appropriate to the student's program for the MLS degree.

### SCHOOL LIBRARY MEDIA SPECIALIST PROGRAMS

Both of the LMS programs, the Library Media Specialist Program and the Library Media Specialist for Certified Teachers, emphasize the development of knowledge and

skills needed to teach information literacy to the K-12 school community, to foster collaborative partnerships with the school's faculty and administration, to motivate and guide students in these settings in the use of information and materials, and to evaluate and select materials that promote and support the information needs of this specialized clientele. Library Media Specialists serve the needs of students and parents for informational, educational, and recreational materials as well as the needs of teachers, administrators and other personnel seeking information and materials related to their professional responsibilities.

### LIBRARY MEDIA SPECIALIST (SCHOOL)

This course of study is designed for students who are not certified teachers who wish to pursue initial NYS teacher certification in the area of Library Media Specialist (LMS). Graduates who successfully complete program requirements as well as other NYS requirements noted below will qualify to teach in NYS K-12 public school libraries.

### Admission Requirements

Applicants to this program will need to first be admitted to GSLIS via the standard application procedure. Upon acceptance to GSLIS, students will be interviewed by the LMS Program Coordinator who will review their prior transcripts to ascertain whether applicants have the Core Liberal Arts and Science background required by NYSED for teachers. NYSED specifies exactly what type of coursework is acceptable for each of these areas at <http://www.highered.nysed.gov/tcert/> Office of Teaching Initiatives. Applicants lacking any part of this requirement will be required to complete this coursework at an accredited institution of higher education before acceptance to this program.

## GRADUATE SCHOOL OF LIBRARY & INFORMATION STUDIES

### Core Liberal Arts and Science - 30 credits

Artistic Expression  
Communication  
Information Retrieval  
Humanities  
Language Other Than English  
Written Analysis and Expression  
History and Social Sciences  
Scientific Processes  
Mathematical Processes

In addition, applicants will be required to present a satisfactory onsite writing sample evaluated by the LMS Program Coordinator.

All of these requirements must be fulfilled before students can be accepted to this program.

### COURSE OF STUDY

#### Required courses in Education:

EECE 702 Social Foundations of Education *or*  
SEYS 705 School and Community *or* Equivalent  
EECE 711 Ecological Perspectives on Development:  
The Childhood Years *or*  
SEYS 710 The Psychology of Adolescence  
*or* Equivalent  
ECPSE 700: Foundations of Special Education  
*or* Equivalent

#### Required courses in LMS:

LBSCI 737 Literature for Children and Adolescents  
LBSCI 761 Organization and Management: School  
Library Media Centers  
LBSCI 764 Instructional Technologies for K-12  
Information Literacy

LBSCI 765 Resources for the School Curriculum  
LBSCI 767 Reading Motivation Techniques for  
Children & Adolescents  
LBSCI 795 Internship

#### Required Field Experience and Internship (Student Teaching Practicum)

Successful completion of this program requires 100 hours of LMS field observation, 20 hours of ECPSE field observation and 40 full days of internship experience to be completed as per NYSED requirements for registered LMS programs and to be completed as specified during functioning school hours. Students must be able to arrange their personal and professional schedules to comply with these requirements.

Applicants for LMS teacher certification in NYS must satisfy all NYS teacher certification testing, workshops and other requirements stipulated by NYSED in order to receive their teacher certification from New York State. NYS required workshops can be taken at Queens College through the Office of Continuing Education.

#### LIBRARY MEDIA SPECIALIST FOR CERTIFIED TEACHERS

This course of study is designed for students who wish to pursue New York State (NYS) teacher certification in the area of Library Media Specialist (LMS). Graduates who successfully complete sequence requirements as well as other NYS requirements noted below will qualify to teach in NYS K-12 public school libraries.

#### Admission Requirements

In addition to the requirements for admission to the Graduate School of Library and Information Studies, students who choose this program must possess New York State teacher certification.

#### LMS sequence required courses:

LBSCI 737 Literature for Children and Adolescents  
LBSCI 761 Organization and Management: School  
Library Media Centers  
LBSCI 764 Instructional Technologies for K-12  
Information Literacy  
LBSCI 765 Resources for the School Curriculum  
LBSCI 767 Reading Motivation Techniques for  
Children & Adolescents  
LBSCI 795 Internship

#### Required Field Experience and Internship (Student Teaching Practicum)

Successful completion of this program requires 100 hours of field observation and 150 hours of internship experience as per NYSED requirements for registered LMS programs and to be completed as specified during functioning school hours. Students must be able to arrange their personal and professional schedules to comply with these requirements.

Applicants for LMS teacher certification in NYS must satisfy all NYS teacher certification testing, workshops and other requirements stipulated by NYSED in order to receive their teacher certification from New York State. NYS required workshops can be taken at Queens College through the Office of Continuing Education.

#### CERTIFICATE PROGRAMS

Two certificate programs are currently available: *Children and Young Adult Services in the Public Library and Archives and the Preservation of Cultural Materials*. Both of these are designed for multiple audiences, such as current MLS students who wish to make explicit their specialty, and working library/information service professionals who desire a further credential demarking their expertise. All students in these two certificate

## GRADUATE SCHOOL OF LIBRARY & INFORMATION STUDIES

programs must meet the college's admissions standards; paraprofessionals may be required to enroll in core courses to provide the appropriate foundation for coursework in the two certificate programs.

The certificates are built around a similar structure. Within each, a core sequence of courses must have been completed. Library/information service professionals who already hold the MLS degree and may have already taken one or more of these core courses can fulfill their requirements by selecting from a menu of four elective courses.

### Certificate in Children and Young Adults Services in the Public Library

Core (required) courses:

- LBSCI 737 Literature for Children and Adolescents
- LBSCI 739 Materials for Young Adults
- LBSCI 773 Public Library Services for Children
- LBSCI 777 Planning and Delivering Young Adult Services in the Public Library

Elective courses:

- LBSCI 738 Mythology and Folklore for Children and Adolescents
- LBSCI 767 Reading Motivation Techniques for Children and Adolescents
- LBSCI 771 Organization and Management: Public Libraries
- LBSCI 775 Librarianship in a Multicultural Society

### Certificate in Archives and the Preservation of Cultural Materials

Core (required) courses:

- LBSCI 730 Archival Appraisal, Arrangement, and Access
- LBSCI 732 Archives and Manuscripts and the Shapes of Material History
- LBSCI 733 Preservation of Cultural Heritage Materials
- LBSCI 752 Digital Preservation

LBSCI 795 Internship

Elective courses:

- LBSCI 729 Introduction to Metadata for the Cataloging and Classification of Internet Resources
- LBSCI 731 From Manuscripts to eBooks: Studies in Print Culture
- LBSCI 736 Records Management
- LBSCI 753 Digital Libraries
- LBSCI 757 Digital Imaging

Students of the Graduate School of Library and Information Studies will obtain the certificate at the same time as the awarding of their degree. Library/information service professionals who complete a four-course sequence will be awarded the certificate by the college.

## POST-MASTER'S CERTIFICATES

### CERTIFICATE OF POST-MASTER'S STUDIES IN LIBRARIANSHIP (GENERAL)

The program leading to the Certificate in Post-Master's Studies in Librarianship is designed for graduate library/information service professionals who want to improve their competencies in present positions or to prepare for new positions as administrators, subject specialists, information officers, or technical specialists in libraries and related organizations, including media, educational resources, information and referral centers.

The one-to-three-year, 30-credit program will be designed by each student with a faculty member in accordance with the curriculum described in this *Bulletin*. An integral part of the program will be a major research or investigatory project in the student's field of interest. The program is registered by the New York State Education Department.

### Admission Requirements

- A master's degree in Library/Information Studies from an ALA-accredited program.
- A minimum of two years of professional experience in library/information services or evidence of highly specialized needs that warrant advanced studies.
- An interview with a GSLIS representative.
- A 500-word statement of the candidate's professional objectives, specifying his/her special needs or interests.
- Three letters of reference from library/information service professionals and/or instructors in library/information studies.

### General Requirements

The Certificate in Post-Master's Studies in Librarianship will be awarded upon the completion of ten three-credit courses with a grade in each course of *B* or better. Each course must be part of an approved program of studies that includes the preparation of an independent research project or an independent special project. All requirements must be completed within a three-year period. An individually tailored program will be formulated by each student and his/her faculty advisor, in accordance with the curriculum.

### LIBRARY MEDIA SPECIALIST ADVANCED CERTIFICATE

This course of study is designed for students who have completed a Master's Degree in Library [and Information] Studies [Science] at an American Library Association accredited library program who are not certified teachers in New York State (NYS) and who wish to pursue initial NYS teacher certification in the area of Library Media Specialist (LMS). Students who successfully complete certificate requirements as well as other NYS requirements noted below will qualify to teach in NYS K-12 public school libraries.

## GRADUATE SCHOOL OF LIBRARY & INFORMATION STUDIES

### Admission Requirements

Applicants to this program must first be admitted to GSLIS via the standard application procedure. Upon acceptance to GSLIS, students will be required to produce documentation of their completion of a Master's Degree in Library [and Information] Studies [Science] at an American Library Association accredited library program. They will be interviewed by the LMS Program Coordinator who will review their prior transcripts to ascertain whether applicants have the Core Liberal Arts and Science background required by NYSED for teachers. NYSED specifies exactly what type of coursework is acceptable for each of these areas at <http://www.highered.nysed.gov/tcert/> Office of Teaching Initiatives. Applicants lacking any part of this requirement will be required to complete this coursework at an accredited institution of higher education before acceptance to the Advanced Certificate Program in LMS.

### Core Liberal Arts and Science - 30 credits

Artistic Expression  
Communication  
Information Retrieval  
Humanities  
Language Other Than English  
Written Analysis and Expression  
History and Social Sciences  
Scientific Processes  
Mathematical Processes

In addition, applicants will be required to complete a satisfactory onsite writing sample evaluated by the LMS Program Coordinator

All of these requirements must be fulfilled before students can be accepted to the Advanced Certificate Program in LMS.

### COURSE OF STUDY:

#### Required courses in Education:

- EECE 702 Social Foundations of Education or  
SEYS 705 School and Community or Equivalent  
EECE 711 Ecological Perspectives on Development:  
The Childhood Years or  
SEYS 710 The Psychology of Adolescence or  
Equivalent  
ECPSE 700 Foundations of Special Education or  
Equivalent

#### Required courses in LMS:

- LBSCI 737 Literature for Children and Adolescents  
LBSCI 761 Organization and Management: School  
Library Media Centers  
LBSCI 764 Instructional Technologies for K-12  
Information Literacy  
LBSCI 765 Resources for the School Curriculum  
LBSCI 767 Reading Motivation Techniques for  
Children & Adolescents  
LBSCI 795 Internship

#### Required Field Experience and Internship (Student Teaching Practicum)

Successful completion of this program requires 100 hours of LMS field observation, 20 hours of ECPSE field observation and 40 full days of internship experience to be completed as per NYSED requirements for registered LMS programs and as specified during functioning school hours. Students must be able to arrange their personal and professional schedules to comply with these requirements.

Applicants for LMS teacher certification in NYS must satisfy all NYS teacher certification testing, workshops and other requirements stipulated by NYSED in order to receive their teacher certification

from New York State. NYS required workshops can be taken at Queens College through the Office of Continuing Education.

### COURSES IN THE GRADUATE SCHOOL OF LIBRARY AND INFORMATION STUDIES

#### LBSCI 700. The Technology of Information.

3 hr.; 3 cr. This course will introduce the student to the conceptual and practical elements of visual and computer literacy for the library and information science profession. Particular attention will be paid to the place and role of libraries and information centers. A laboratory session following each class will give students the opportunity to apply some of the concepts learned in class.

#### LBSCI 701. Fundamentals of Library and Information Science.

3 hr.; 3 cr. Overview of the curriculum, a history of librarianship and information science as a profession; professional literature; role and structure of libraries and information centers in the conservation and dissemination of knowledge to various clientele; nature of research in library and information science.

#### LBSCI 702. Information Sources and Service:

**General.** 3 hr.; 3 cr. Study and application of general reference, bibliographic and other information sources techniques and procedures for serving the needs of various clientele; criteria for evaluating reference sources and services and for developing appropriate collections.

#### LBSCI 703. Introduction to Technical Services.

3 hr.; 3 cr. The focus will be on the principles of providing access to items using the current cataloging code and the provision of subject access to items through subject heading lists and classification systems. Study and practical exercises in all areas of technical services.



## GRADUATE SCHOOL OF LIBRARY & INFORMATION STUDIES

**LBSCI 705. Organization and Management.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Fundamentals of administration; functions of management (planning, organizing, staffing, controlling and communicating) in various types of libraries and information centers.

**LBSCI 706. Advanced Technological Concepts.** 3 hr.; 3 cr. This will introduce the student to advanced levels of the conceptual and practical elements of visual and computer literacy for the library and information science profession. Online laboratory sessions and exercises will give students the opportunity to begin to apply some of the concepts learned in class.

**LBSCI 709. Research in Library and Information Studies.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703, and completion of 21 course credits. Survey of research methods in library and information studies and supervised project which will prepare students to critically evaluate relevant research in the field and to make professional contributions.

**LBSCI 711. Collection Development.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Design of collection policy; criteria for selection and maintenance; evaluation techniques; resource sharing; organization and management of collection development, electronic and print.

**LBSCI 713. Information Sources and Service: Science and Technology.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Study and application of reference, bibliographic and other information sources in science and technology; techniques and procedures for serving the needs of various clientele; criteria for evaluating these sources and this service and for developing appropriate collections.

**LBSCI 715. Information Sources and Service: Social Sciences.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Study and application of reference, bibliographic and other information sources (print

and electronic) in the social sciences; techniques and procedures for serving the needs of various clientele; criteria for evaluating these sources and this service and for developing appropriate collections.

**LBSCI 717. Digital Humanities and Humanities Resources.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 702. Study and application of sources, resources, tools, infrastructure, standards, and multimodal entities in the humanities. Includes techniques and procedures for serving the needs of various clientele in the humanities and criteria for evaluation. Traditional electronic resources will also be included.

**LBSCI 719. Government Information Sources.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Structure of the U.S. government in relation to its official publications, selection, acquisition, organization, and use of federal documents of the United States, with some attention to American state and municipal documents as well as international and United Nations publications; print and electronic access.

**LBSCI 720. The Design and Evaluation of Visual Information for the Web.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Introduction to the techniques and tools used in the planning, production, and evaluation of multimedia visual displays of information. Special attention will be devoted to Internet Web pages and ways of presenting statistical and qualitative information in multimedia.

**LBSCI 721. Advanced Technical Services.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. A survey course including several ancillary activities required for maximum access to the materials in a library collection. Principal topics are acquisitions; circulation policies and procedures; preservation and conservation; online public access catalogs; interlibrary loan procedures; and the administration of the technical services department.

**LBSCI 723. Issues in the Organization of Materials.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Advanced topics in cataloging and classification. The treatment of special types of materials and the organization of collections as a whole will be covered.

**LBSCI 725. Bibliographic Control of Nonprint Material.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. This course will introduce the principles of bibliographic control as they are applied to nonprint materials in libraries and other information agencies. Topics include the background and development of current practices; bibliographic description of the range of nonprint materials; and subject access.

**LBSCI 727. Serials Librarianship.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. This course will address problems in serials librarianship for all types of libraries, covering purposes, organization, and arrangement; collection development and acquisitions; bibliographic control and cataloging; reference tools and subject access; administration; budgeting and accounting; and personnel.

**\*LBSCI 729. Metadata for Digital Resources.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. This is a course about encoding and applying metadata standards to describe and represent electronic information as objects (e.g., eBooks, websites, etc.) in a distributed network environment. Covers various applications in libraries and information institutions, with a focus on the meta mark-up languages. \*Pending Board Approval.

**LBSCI 730. Archival Appraisal, Arrangement, and Access.** 3 hrs.; 3 cr. Prereq.: 700, 701, 702, 703; or permission of instructor. This course provides an in-depth exploration of the archival principles of Appraisal, Arrangement and Description. Within a practical and theoretical framework students will consider how recent advances in technology provide opportunities for more dynamic and interactive tools for archival access. They will construct electronic finding aids, including Encoded Archival Description (EAD).

## GRADUATE SCHOOL OF LIBRARY & INFORMATION STUDIES

**LBSCI 731. From Manuscripts to eBooks: Studies in Print Culture.** 3 hr.; 3 cr. Prereq. LBSCI 700, 701, 702, 703, or permission of the instructor. This course will explore the evolution of the "text" from its early conceptions in manuscript culture through its revolutionary transmission into print and finally into the digital age. Discussion will combine technical aspects of print culture as well as theoretical concerns for how knowledge is transmitted (how knowledge is "made"). Recent critical interests in the history and technology of the book, the interplay between word and image, and mechanisms of reading have substantially expanded the range of questions—cultural, intellectual, aesthetic, economic—one might ask when encountering a text.

**LBSCI 732. Archives and Manuscripts and the Shapes of Material History.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703, or permission of the instructor. This is an introductory course designed to orient students to fundamental archival theories as well as current practices. Historic background to archival methods will be discussed in order to understand current discipline perspectives. Theoretical concerns will address the meaning, formation, and contestation of "memory" in current post-modern archival discourse. Students will also be introduced to basic archival practices of appraisal, arrangement, description, and access.

**LBSCI 733. Preservation of Cultural Heritage Materials.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703, or permission of the instructor. Examines the preservation needs of different information formats commonly found in libraries, archives, and institutions of social memory including book, paper, photographic, and audio-visual materials. Attention will be paid to how environmental and storage conditions influence rates of deterioration. A range of preservation functions required for long-term stability of materials will be explored. Funding sources for preservation activities will be discussed.

**LBSCI 734. Art Librarianship & Visual Resources Curatorship.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Survey of present practices in art and visual resources librarianship/curatorship; organization, administration, collection development, instruction and assessment of patron needs; special issues in art libraries and visual resources collections.

**LBSCI 735. History of Children's Literature to the Twentieth Century.** 3 hr.; 3 cr. The development of literature for children in Great Britain and North America, with major emphasis on the period from 1700 to 1900.

**LBSCI 736. Records Management.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 703. Examines the theories and practices of modern records management both in routine and non-routine organizational procedures and situations. Contemporary records and information management (RIM) focuses on traditional and on electronic records; approaching their management (storage, retrieval, access, disposal) by evaluating the record's life cycle as a whole. These processes are performed in the context of legal requirements, system architecture, industry standards and organizational guidelines.

**LBSCI 737. Materials, Literature, and Collection Development for Children and Youth.** 3 hr.; 3 cr. Introduction to the forms and types of literature, including but not limited to both print and digital material; criteria for excellence; techniques for selection and evaluation for collection development; and identification of appeal and suitability for different types of young users.

**LBSCI 738. Mythology and Folklore for Children and Adolescents.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702. Introduces students to myths, folklore, and fairy tales from a wide range of cultures. The major recorders and collectors of mythology, folklore, and fairy tales and the place of these stories in library/information center

programs will be addressed. Professional resources and the criteria for selection of these materials for the K-12 audience will be examined.

**LBSCI 739. Materials for Young Adults.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702. Survey of materials for young people ages 12-17; includes historical development of specific genres, and consideration of the reading interests and information needs of young adults.

**LBSCI 740. The Information Environment in Contemporary Society.** 3 hr.; 3 cr. Prereq.: LBSCI 701. An introduction to information products and services and how they relate to societal issues. The following will be studied: the interdisciplinary nature of research; industries that generate information products; human communication; information networks; the economics of information; intellectual property issues; and information policy.

**LBSCI 741. Information Systems Analysis and Design.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Designed to provide students with an understanding of the concepts and methodology of systems analysis both organizational and automated. The course emphasizes problem-solving and decision-making and developing criteria for judgment. Current and developing uses of library and information center technology will be discussed and demonstrated.

**LBSCI 743. Information Access Systems: Indexing, Abstracting, and Other Access Systems.** 3 hr.; 3 cr. Prereq. or coreq.: LBSCI 700, 701, 702, 703. Introduction to the theory, methodology, and implementation of text-based access systems. Identification, selection, and organization of concept-bearing terms to generate patterns for document analysis, storage, and information retrieval. Both manual and electronic information systems will be used to demonstrate patterns of storage and retrieval including graphics, user interfaces, indexes, abstracts, and thesauri.

## GRADUATE SCHOOL OF LIBRARY & INFORMATION STUDIES

**LBSCI 745. Online Research.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Covers the structures, content, acquisitions, and search methods of the following three types of databases: remote online databases obtained through a vendor; locally loaded databases available through campus or organizational computer installations; and locally stored databases on stand-alone or networked optical devices. At least three hours of supervised online searching.

**LBSCI 746. Design and Construction of Bibliographic Databases.** 3 hr.; 3 cr. Prereq.: LBSCI 700. Covers the basic principles, elements and concepts of design, implementation and utilization of bibliographic databases using a database management systems (DBMS) approach. Examines various data models and several database models for bibliographic data (i.e. records of information-bearing entities with necessary attributes of bibliographic data and subject representation). Administrative tasks in the bibliographic database management environment are also addressed.

**LBSCI 747. Selected Technology Applications in Information Management.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Introduction to some of the latest developments in information technology of immediate relevance to information professionals; hands-on laboratory experience of the systems selected. Units and contents may be changed from time to time to reflect new developments in the information arena.

**\*LBSCI 748. Web Programming.** 3 hr.; 3 cr. Prereq.: LBSCI 700 or permission of the instructor. This course examines the basic principles, elements, and concepts of design, writing, debugging, and implementation of programmatic utilities in a distributive environment (i.e., the Internet). The focus is on problem solving and learning to design web programs that are readable, well documented, efficient, and correct. The emphasis of the course is digital library applications. \*Pending Board Approval.

**LBSCI 752. Digital Preservation.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703; or permission of the instructor. Complementing LBSCI 733: Preservation of Cultural Heritage Materials, this course examines the theory, tools/technologies and issues associated with the long-term retention, preservation and accessibility of material digitally born or subsequently digitized/reformatted. Topics covered will include the characteristics of digital media, standards and quality control, digital asset management, and best practices. The role of digital preservation in the process of digital curation will be highlighted. Completion of LBSCI 729: Introduction to Metadata and/or LBSCI 757: Digital Imaging, prior to enrollment, is recommended. The goal is to introduce students to the theoretical, practical and technological aspects of digital preservation and to place preservation in the broader context of digital curation.

**LBSCI 753. Digital Libraries.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 703. Overview of digital libraries; the historical reasons for their development; the nature of their creation, uses and evaluation. Methods of collection building, knowledge organization, interface design and information retrieval techniques appropriate to multimedia digital materials are covered. Emphasis is also given to social, economic and legal aspects of digital libraries, in particular as they relate to the traditional library.

**LBSCI 754. Human-Computer Interaction.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 703. This course will introduce students to the fundamental principles of human-computer interaction (HCI) with a strong focus on understanding the nature of how people interact with, or avoid, computer technology; the problems they encounter in these interactions, and the design principles that address the tactics used in making computers more usable and effective to a wide variety of people, including children, the elderly, the handicapped and other special populations.

**\*LBSCI 755. Design and Production of Multimedia.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, and 703. Provides an overview of the theories, tools, and techniques involved in the design and production of digitized information communication and interaction in varied formats; introduces students to practical technological methods related to digital capture and manipulation of textual, audio, and video information and materials. \*Pending Board Approval.

**LBSCI 756. Managing New Technologies.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Introduces students to the administration of digital and multimedia resources (software, hardware, peripherals, tools and services) in libraries, with an emphasis on strategic planning and change management. Other issues addressed will include funding, staffing, training issues, evaluation, selection, accessibility and intellectual property issues relating to new technologies. Focuses on technology grant writing. Current and developing uses of emerging technologies (e.g., Web 2.0, Library 2.0) in libraries and information centers will be discussed and demonstrated.

**LBSCI 757. Introduction to Digital Imaging.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Introduces students to the theoretical and practical aspects of digital imaging, with an emphasis on evolving guidelines and lessons learned from existing digitization projects. Among the topics to be examined are: selection principles, project and workflow planning, digitization of images, file formats, quality control, rights management, metadata, access, funding issues, assessment and evaluation, digital asset management and preservation. Theoretical concepts will be reinforced through hands-on production experience in digitizing and managing images and/or archival materials.

**LBSCI 761. Organization and Management: School Library Media Centers.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701. Roles, services, programs, organization

## GRADUATE SCHOOL OF LIBRARY & INFORMATION STUDIES

and management of the school library media center including teaching, information access and delivery, and program administration. Emphasis on collaboration with the school community, integrating state and national standards in the school library curriculum, integrating the school library curriculum into the wider school curriculum and the importance of information literacy. Assistive technology and other relevant information technology are addressed.

**LBSCI 763. Nonbook Materials: Sources and Service.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Evaluation, selection, and utilization of nonbook materials and technology to serve the library/information needs of all students, including those with special needs, and faculty regardless of specialization; and to foster information literacy skills, including cooperative programs with teachers, school library media centers, and other types of library and information agencies.

**LBSCI 764. Instructional Technologies for K–12 Information Literacy.** 3 hr.; 3 cr. Prereq.: LBSCI 700 or 706, 702, 703. Evaluation, selection, and utilization of appropriate instructional technologies to serve the needs of all members of the K–12 school community. Emphasis is on teaching information literacy skills to K–12 children and youth as well as methods and formats supportive of diverse learners.

**LBSCI 765. Resources for the School Curriculum.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 702, 703. Collection development in the school library media center including selection, evaluation, and utilization of instructional materials to support the curriculum needs of all students. Selection policy, intellectual freedom, and challenged material are addressed. Special attention will be given to the growth of information literacy and to collaboration with the school community.

**LBSCI 767. Reading Motivation Techniques for Children and Adolescents.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 702, 737, or 739. Development of

techniques that include collaboration with faculty in reading guidance; aspects covered include individual performance and collaborative evaluation of book talks, storytelling, and poetry reading. Strategies to work with faculty with responsibilities for literacy and students with special needs are components of the course.

**LBSCI 768. Storytelling.** 3 hr.; 3 cr. Guides students through a range of stories from around the world, offering storytelling techniques that will accumulate through the term to provide them with the tools and confidence to use storytelling as part of their work. A major focus of the storytelling work will be on building an interactive experience for the children. Developing literacy-building activities from the stories will also be covered. Working with various story sources from folktale collections to picture books will be part of the in-class work. Exploring folktale structures as a way to understand how stories are built and provide students with structural templates to create their own stories will also be examined. A variety of readings and discussions will tie all these elements together.

**LBSCI 771. Organization and Management: Public Libraries.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Introduction to key elements of organization and management, including personnel, services, public relations, budgeting, and building construction/renovation.

**LBSCI 773. Public Library Services for Children.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703, or permission of the instructor. Planning and applications of public library services for children. Topics include program planning, collection development, community networking, management issues, and training.

**LBSCI 775. Librarianship in a Multicultural Society: Materials and Services.** 3 hr.; 3 cr. Prereq.: 701. Evaluation, selection, and utilization of book and nonbook materials to serve minority and ethnic clientele; traditional and innovative approaches to programming.

**LBSCI 777. Planning and Delivering Young Adult Services in the Public Library.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Overview of contemporary public library services for adolescents, with an emphasis on how to conceptualize or customize services that meet the development trends of this age group, while flourishing within organizational, political, and community cultures.

**LBSCI 778. Informational Literacy Instructions for Adults.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 702. Provides students with both a theoretical and practical foundation for functioning as an instructor within a library or information center. It will cover both the basic knowledge and methods necessary for designing, implementing, delivering, and evaluating instructional programs in all types of library settings, with a focus on adult patrons.

**LBSCI 779. Adult Reader's Advisory Services in the Public Library.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Introduces students to: (1) major categories and subcategories of genre fiction popular among adult readers; (2) theories underpinning reader's advisory services, such as theories of readers and reading, popular culture, cultural stratification, reader response, and audience uses and gratifications; and (3) current library practices that serve the needs of adults interested in these materials.

**LBSCI 780. Organization and Management: Academic and Research Libraries.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Structure of academic and research libraries in relation to their functions and clientele; standards, personnel, finance, buildings, and equipment; services; networking and community relations; relevant information technologies; reporting; public relations.

**LBSCI 781. Organization and Management: Special Libraries and Information Centers.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Organization

## GRADUATE SCHOOL OF LIBRARY & INFORMATION STUDIES

and management of special libraries and information centers in corporate, governmental, institutional, and academic settings; effect of the environment on each library's functions.

**LBSCI 784. Health Sciences Librarianship.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. All phases of medical and allied health sciences librarianship, with emphasis on medical community relationships; current information retrieval systems; the selection and control of serial, monographic, and nonprint materials in biomedicine. Electronic searching and retrieval experience necessary.

**LBSCI 786. Business Information Sources.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Survey, evaluation, and application of information sources in business and finance; techniques and procedures for serving the needs of various clientele; special issues in corporate information centers.

**LBSCI 787. Competitive Intelligence.** 3 hr.; 3 cr. Prereq. LBSCI 700, 701, 702, 703, 786, or permission of the instructor. Introduces the student to the theories, concepts, processes and practices of ethical competitive intelligence; covers the study and use of basic competitive intelligence concepts, practices, techniques,

and tools, set within the context of ethical business practice and grounded in critical thinking approaches. Application of concepts, processes, and techniques within related business and information-intensive settings will also be explored.

**LBSCI 788. Law Librarianship.** 3 hr.; 3 cr. Prereq.: LBSCI 700, 701, 702, 703. Survey, evaluation, and application of legal research; special issues in law librarianship.

**LBSCI 790.1. \*VT: Seminar.** 1 hr.; 1 cr. Prereq: LBSCI 700, 701, 702, 703, and permission of the school. Topics vary from semester to semester, according to trends and developments in the profession; announcements to be made in advance.

**LBSCI 790.2. \*VT: Seminar.** 2 hr.; 2 cr. Prereq: LBSCI 700, 701, 702, 703, and permission of the school. Topics vary from semester to semester, according to trends and developments in the profession; announcements to be made in advance.

**LBSCI 790.3. \*VT: Seminar.** 3 hr; 3 cr. Prereq.: LBSCI 700, 701, 702, 703, and permission of the school. Topics vary from semester to semester, according to trends and developments in the profession; announcements to be made in advance.

**LBSCI 791. Independent Study.** Hr. to be arranged; 3 cr. Prereq.: LBSCI 700, 701, 702, 703, and permission of the school. Pursuit of a particular research or investigatory project under the direction of a member of the school's faculty; admission by special application.

**LBSCI 795. Internship. Fieldwork.** Hr. to be arranged; 3 cr. Prereq.: LBSCI 700, 701, 702, 703, and completion of at least 21 credits. Designed to provide students with practical experience in a library, archive, school library media or other information center; students for whom this course is a required part of their program should check with program coordinators for specific requirements. No internship hours may be earned before the course begins.

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\*Indicates a variable title.

