

SCHOOL OF LIBRARY AND INFORMATION SCIENCE, LOUISIANA STATE UNIVERSITY

LIS 7410 Digital Libraries

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Catalog Description

Prerequisite: LIS 7008 IT & S. Current activities, models, methods and tools for digital library creation and support; theoretical and practical aspects of digital library creation, using a variety of formats and approaches.

General Course Objectives

Upon finishing the course, students should be able to:

1. get an overview of current digital library programs and activities, both in North America and internationally,
2. get familiarized with the techniques and software used in the creation and maintenance of digital libraries,
3. evaluate the major components of digital libraries by considering their supporting technologies and social-economic factors,
4. examine the social, economic, cultural, and political issues related to digital libraries and their services,
5. for LIS students, plan and create a small-scale, but useful and functional, digital library. For doctoral students in other disciplines, review a practical (or research) problem associated with digital libraries and develop a valid approach to solve it.

Course Materials

The required text books are:

1. Lesk, Michael (2005). Understanding Digital Libraries (2nd ed). San Francisco: Morgan Kaufmann; Boston: Elsevier; 424 p. ISBN: 1-55860-924-5. The book is downloadable from the eBook Collection on the LSU Libraries website available at <http://libezp.lib.lsu.edu/login?url=http://www.sciencedirect.com/science/book/9781558609242> or <http://www.sciencedirect.com/science/book/9781558609242> (Referred to as Lesk in the Schedule. This is a theoretical book. Although it is somehow old, it is still a very good text from theoretical perspective.)

2. Banerjee, Kyle and Reese, Terry Jr. (2019). Building Digital Libraries: A How-To-Do-IT Manual for Librarians (2nd ed). Chicago: ALA & Neal-Schuman Publishers, Inc. ISBN: 978-0-8389-1635-3. (Referred to as Reese in the Schedule. This is a practical book.)

Readings will be assigned from the two text books. Additional required readings are also to be assigned. Most of these readings are Web-accessible; otherwise, they will be posted on Moodle. Material from assigned portions of the text books and all of the assigned readings is testable, regardless of whether the specific information is discussed in class (i.e., in lecture notes and/or on Moodle Forums).

Schedule & Topics

| Session | Topic | Assignments* | Due |
|---------|---|--------------|------------------------|
| 1 | Introduction and Overview | Project | |
| 2 | Digital Content: Image | H1 | |
| 3 | Digital Content: Text (and Books) | | |
| 4 | Metadata and Markup | H2, D1 | H1 |
| 5 | Digital Content: Time-based Formats (Audio and Video) and Other Materials | | |
| 6 | Digital Objects and System Architecture | H3 | H2 |
| 7 | Knowledge Organization Schemes and Content Organization | D2 | D1 |
| 8 | User Interface, Usability and Evaluation | H4 | H3 |
| 9 | Access in Digital Libraries | D3 | D2, Project idea |
| 10 | Digital Preservation, Repositories and Archives | | H4 |
| 11 | Social and Economic Factors | | D3 |
| 12 | Human Factors of Digital Libraries; Digital Librarians | | |
| 13 | Legal Rights and Future of Digital Libraries | | |

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|----|-------------------------|--|------------|
| 14 | Thanksgiving. No class. | | |
| 15 | Final Review | | Project |
| 16 | Final Exam | | Final Exam |

***Assignments:**

- H1. Digital library case study
- H2. Metadata Standards and Interoperability Study
- H3. Metadata Scheme and XML Encoding Exercise
- H4. Digitization sampler
- Project. Sample digital library
- D1, D2, D3: Discussion topics

Evaluation Methods & Grading Scale

All assignments will be submitted to the Moodle site for the class. Assignments are always due no later than 11:00AM on a Wednesday morning as specified on the Schedule. **Failure to submit an assignment on time will result in a grade no higher than C for that assignment.**

Exceptions to this policy will be made only in the event of true emergencies, in which case the student must submit a written request for an exception which includes a valid explanation for failure to submit the assignment on time.

The percentage and computation for assignment are shown below:

| Components | Percentage | Computation |
|------------|------------|------------------------|
| D | 10% | D1: 3%, D2: 3%, D3: 4% |
| H1 | 10% | |
| H2 | 10% | |
| H3 | 10% | |
| H4 | 10% | |
| Project | 30% | |
| Final Exam | 20% | |

Scores for each course requirement (homework assignment, exam, document, project, discussion topics) will be assigned on a 100 point scale. No curve will be used when assigning grades. A letter grade will be assigned to the course grade according to the following policy:

| | |
|-----------|----|
| 97-100% | A+ |
| 93-96.99% | A |
| 90-92.99% | A- |
| 87-89.99% | B+ |

| | |
|-----------|----|
| 83-86.99% | B |
| 80-82.99% | B- |
| 77-79.99% | C+ |
| 73-76.99% | C |
| 70-72.99% | C- |
| 67-69.99% | D+ |
| 63-66.99% | D |
| 60-62.99% | D- |
| Below 60% | F |

A student's final grade will be based on the percentage of the total 100 points earned on assignments.

Academic Integrity

All work submitted for grading must adhere to the standards for academic integrity set forth by Louisiana State University. Plagiarism and other forms of academic dishonesty will not be tolerated. ***The work submitted must be your own, created without collaboration with other students.*** See the LSU Code of Student Conduct for policies and procedures regarding academic integrity: <https://www.lsu.edu/saa/students/codeofconduct.php>.

Procedures of addressing academic misconduct are introduced at the Student Advocacy & Accountability website, accessible at <https://www.lsu.edu/saa/>.

Information for Students with Disabilities

If you have a disability which requires special accommodations, you must contact the Office of Disability Services, 124 Johnston Hall, 225-578-5919. For more information, go to <http://www.lsu.edu/disability>.

Workload

Students are expected to spend effectively at least 9 hours per class, including readings, discussions, homework, etc.

Student Trip Travel Insurance

Every student participating in a service-learning class or a field experience must have field trip insurance secured for every off-campus visit she/he makes to a community partner site. Although LIS 7410 is not a service-learning course, if you work on a course project that involves visiting an off-campus collaborator, you'd better fill out a form for requesting trip insurance available at the Office of Risk Management Website

(<https://www.lsu.edu/riskmgt/insurances/student-travel.php>). The insurance is free to students.

Access to Instructor

Discussion Forum

Each topic block in Moodle includes a discussion forum to which you may post questions or comments about that Session's topic.

Email

Email is the best way to contact me directly. I check emails more frequently than Moodle Discussion Forums. If you have a question that you want a quick response, please email me instead of posting it on Moodle.

Face-to-Face & Zoom

You may set up an appointment to meet with me in person or via Zoom.

SLIS Listserv

Each of you must subscribe to the SLIS listserv, if you've not already done so. If there is ever a problem communicating with the entire class through Moodle, I will send messages to the listserv. Beyond that, the listserv is used to distribute important information to students, such as upcoming graduate school deadlines. To subscribe to the list:

1. You will send an email to listserv@listserv.lsu.edu
2. Leave the subject line blank
3. As the message, type SUB SLIS-L [your first name and last name]. As an example: SUB SLIS-L John Smith
4. The message cannot contain any other information or formatting or signature
5. Send the email

24-hour Response Time

After you send me an email or post questions on Moodle, I will do my best to respond as soon as possible, but please allow 24 hours of response time during weekdays. I may need more response time during weekends.