

**SCHOOL OF INFORMATION SCIENCE
UNIVERSITY OF KENTUCKY**

LIS 665 Introduction to Digital Libraries

Syllabus – subject to change

Spring 2015: January 14 – May 8

Instructor: Soohyung Joo

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Office hour: 10am – 12pm every Tuesday &
Thursday or by appointment

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COURSE FORMAT

This is an online course, which requires asynchronous class discussion via Blackboard to facilitate a sense of community. Blackboard system will also be used for making course announcements, distributing reading materials, submitting assignments and posting grades.

COURSE DESCRIPTION

This course examines fundamental issues, problems, technologies and approaches to the creation and management of digital libraries. This course aims to develop a broad understanding of digital libraries, ranging from basic concepts, digital content, metadata, system architecture, and to legal issues. In particular, it emphasizes the new approaches and techniques of collection building, organization, storage, and access of digital material and the evaluation of digital projects.

COURSE OBJECTIVES

At the end of this course, students will:

1. Get an overview of current digital library projects,
2. Gain competencies with varied techniques for collection building,
3. Understand the strength and limitations of current approaches in organizing digital materials,
4. Become familiar with the technologies for storing, delivering and disseminating digital materials in networked environment,

5. Evaluate digital libraries by applying various usability and performance criteria, and
6. Explore social and economic issues of digital libraries and explore the limitation and trend of future digital libraries

PREREQUITE

- LIS 602, LIS 636 (or concurrently enrolled); Basic HTML

TEXTBOOK:

- No Required Textbook
- Reading assignments will be posted on BlackBoard

TECHNOLOGY REQUIREMENTS

- You will need access to an appropriate computer with a broadband Internet connection. Note that it is your responsibility to ensure you have a reliable computer for use during the course. Ongoing “computer problems” will not be considered a legitimate excuse for missing course activities.
- All UK students are eligible for a one time free download of Office from the UK download site (<https://download.uky.edu>); you can get help with this process from the UK helpdesk (859.257.1300; <http://www.uky.edu/IT/CustomerService/>).

COURSE SCHEDULE

Week	Dates	Topic	Assignment/ Term paper
1	1/14 – 1/18	Introduction, Course Overview	
2	1/19 – 1/25	Definitions and Key Constructs	
3	1/26 – 2/1	Digital Objects and Content (1)	Assignment 1 (Due: 2/2)
4	2/2 – 2/8	Digital Objects and Content (2)	
5	2/9 – 2/15	Collection Development (XML/XSLT Review)	Assignment 2 (Due: 2/16)
6	2/16 – 2/22	Metadata Standards (1) (DTD Review)	
7	2/23 – 3/1	Metadata Standards (2)	Assignment 3 (Due: 3/2)
8	3/2 – 3/8	DL System Architecture	Assignment 4 (Due: 3/9)
9	3/9 – 3/15	Digital Preservation and Interoperability	Term paper topic selection (Due 3/16)
10	3/16 – 3/22	Spring Break	
11	3/23 – 3/29	User Interface Design and Usability	
12	3/30 – 4/5	Evaluation of Digital Libraries	
13	4/6 – 4/12	Legal Issues in DLs	
14	4/13 – 4/19	Data Curation and Data Repositories	
15	4/20 – 4/26	Future of Digital Libraries	
16	4/27 – 5/1	Course review/ Final Exam	Term Paper (Due: 5/4)

EVALUATION COMPONENTS

Evaluation	Percentage
(1) Assignments	40%
(2) Term Paper	30%
(3) Final exam	10%
(4) Online discussion	20%
Total	100%

- **Assignments (40%)**

- (1) Assignment 1 – Image processing (10%)
- (2) Assignment 2 – XML review (5%)
- (3) Assignment 3 – Metadata exercise (15%)
- (4) Assignment 4 – DL platform review (10%)

- **Term Paper (30%)**

- Please see the instruction posted on BlackBoard

- **Final Exam (10%)**

- 20 questions in Week 16

- **Online Discussion (20%)**

Participation in class discussion is expected of all students. Such discussions will analyze, criticize and synthesize the readings, lectures and relevant experiences. Students need to view/read the slides as well as the readings for each week before you participate in the discussion. You also need to read other students’ postings.

Students are encouraged to communicate with the instructor and other students within the framework of online courseware. Participation is an important part of the learning experience and is a factor in assessing class performance. The instructor may be reached by e-mail or in person during office hours or by appointment.

INSTRUCTION FOR CLASS DISCUSSION

Discussion Forums

For each week, we are going to have one forum for class discussion:

In the forum, you can discuss an important issue of each week's topic posted by the instructor as well as any questions, ideas or thoughts you have regarding the topic, slides, readings or exercises for that week.

Requirements for participation

To get full credits for class participation, each student needs to participate in at least two in each of the forums. More important, each student needs to read/view the required readings, class slides, and other students' postings, before posting her/his messages.

Instructions for constructing messages

To get full credits for class participation, the quality of the message each student posts on the discussion forum is also considered. You need to relate the content to your own context, experiences, and other readings.

Due Date

Each week's forums will be locked (you can view the forums, but cannot post any messages) at noon the Monday (at 12:00 pm EST) after that week.

GRADING SCALE

90% – 100% = A (Exceptional Achievement)

80% – 89% = B (High Achievement)

70% – 79% = C (Average Achievement)

0% – 69% = E (Failing)

COURSE POLICIES

Academic integrity

According to Senate Regulation 6.3.1: "All academic work, written or otherwise, submitted by students to their instructors or other academic supervisors, is expected to be the result of their own thought, research, or self-expression. In cases where you feel unsure about a question of plagiarism involving your work, you are obliged to consult the instructors on the matter before submission." For specific information regarding the University's code and regulations on plagiarism and cheating, visit:

<http://www.uky.edu/StudentAffairs/Code/>

<http://www.uky.edu/StudentAffairs/Code/part2.html>

<http://www.uky.edu/Ombud/Plagiarism.pdf>

Diversity, Assessment, and Technology

All UK professional education programs address and affirm the value of diversity in education, the use of technology to support all aspects of instructional programming, and the importance of attaining high levels of skill in assessing the outcomes of instruction. The course content and the course environment are dedicated to an understanding of and acceptance of all people.

Disparaging remarks in relation to others' ethnic or racial background, sex, sexual orientation, age, disability, socioeconomic background, etc., will not be tolerated.

ADA SERVICES

If you have a documented disability that requires academic accommodations in this course, please make your request to the University Disability Center. The Center will require current disability documentation. When accommodations are approved, the Center will provide me with a Letter of Accommodation which details the recommended accommodations. Contact the Disability Resource Center, Jake Karnes, Director at 859-257-2754 or jkarnes@email.uky.edu. The Center is located in the Alumni Gym, Room 2, at the corner of Avenue of Champions and South Limestone Street (next to the Student Center and across South Limestone Street from Kennedy Bookstore).

COURSE RESOURCES

Blackboard

- We will use the Blackboard course management system to facilitate the class. Please visit <http://www.uky.edu/Blackboard/> to learn about this system and the login requirements. You should be automatically added to the Blackboard roll; if this goes as expected, you will not have to sign up manually for the course.
- Blackboard help is available online through the Blackboard wiki website (<http://wiki.uky.edu/Blackboard/Wiki%20Pages/Home.aspx>), and from the UK helpdesk (859.257.1300; <http://www.uky.edu/IT/CustomerService/>). The helpdesk is also able to assist with all general computing issues (file download, browser updates, etc.).

Distance Learning Library Services

- At UK, students in online courses have available Distance Learning Library Services. The link to DLLS is: (<http://www.uky.edu/Libraries/DLLS>) Here is some of the information at that site:
- Phone: (859) 257-0500, ext. 2171; 2nd Phone: (800) 828-0439; Fax: (859) 257-0505 E-mail: dllservice@email.uky.edu ; Location: 2-2, north wing, William T. Young Library 0456
- Distance Learning Librarian: Carla Cantagallo

Writing Center

- UK Writing Center offer both face-to-face and online consultation. And they also provide e-Tutoring consultation, via which you can send your work as an attachment). Details can be found here: <http://ukwrite.wordpress.com/>