School of Library and Information Science
University of Kentucky

COURSE SYLLABUS

LIS 637-201 Information Technology

Spring 2011

Prerequisite: LIS 636 or consent of instructor

Revised on January 3, 2011

The content of this syllabus is subject to change with advance notice.

No face-to-face meeting required in this course

Instructor Information

Instructor: Kwan Yi, Ph.D.
Office hour: Tuesdays & Thursdays 2:00-3:00 pm or by appointment.
Office location: 331 Lucille Fine Arts Little Library Building
Contact: Voice: (859) 257-3853; E-mail: kwan.yi@uky.edu

Course Description & Objective

- LIS637 is an elective course that studies concepts, principles, tools and technologies used in modern information storage and retrieval in the context of library and information science. Emphasis on examination of social information process and management, understanding of digital information repositories, studying of semantic information retrieval.
- Upon completion of this course, students are expected to gain both theoretical foundation and hands-on experiences of understanding modern information storage and retrieval and of demonstrating the experience of information technology tools being currently used. At the end of this course, students will be able to:
  - Demonstrate an understanding of Web 2.0 and its social software;
  - Demonstrate an understanding of the principles and ideas of Library 2.0;
  - Demonstrate an understanding of the role of social software tools and online communities in the library community;
  - Demonstrate an understanding of both theoretical and practical aspects of digital library;
  - Demonstrate an understanding of XML and its applications in library and information science;

Course Schedule

Please refer to additional handout titled Course Schedule for the detailed schedule.

Textbooks

Required Textbook:
- UK bookstore and UK library does not hold a copy of this book.
## Supplementary books:

http://books.google.com/books?id=xQnNI0GNqiC  
- An electronic version of this book is available through the Netlibrary E-book at the UK library.

http://books.google.com/books?id=gulEYZnJxTYC  
- An electronic version of this book is available through the Netlibrary E-book at the UK library.

- UK Young library has a copy of this book. It is on the course reserved list.

Ellyssa Kroski. (2008). Web 2.0 for Librarians and Information Professionals. New York, NY: Neal-Schuman. Check the following Google Book Search site:  
http://books.google.com/books?id=HYI1GQQAAAM&dq=Web+2.0+for+Librarians+and+Information+Professionals  
- This is not available at UK library.

## Tentative Course Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/12</td>
<td>Introduction to the course</td>
</tr>
<tr>
<td>1/17</td>
<td><em>Martin Luther King Birthday – Academic Holiday</em></td>
</tr>
<tr>
<td>1/18</td>
<td>Introduction to Digital Libraries</td>
</tr>
<tr>
<td>1/24</td>
<td>Digital Libraries: History and Vision</td>
</tr>
<tr>
<td>1/31</td>
<td>Digital Libraries: Digital Collections, Content Organization, &amp; Copyright</td>
</tr>
<tr>
<td>2/7</td>
<td>Greenstone: Installation; Tutorials</td>
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<tr>
<td></td>
<td><strong>Unit 1. Digital library</strong></td>
</tr>
<tr>
<td>2/14</td>
<td>Introduction to Web 2.0</td>
</tr>
<tr>
<td>2/21</td>
<td>Collaborative sharing and authoring: Social Tagging and Wikis</td>
</tr>
<tr>
<td>2/28</td>
<td>Social Networking &amp; Communication: Facebook; Twitter; RSS; IM</td>
</tr>
<tr>
<td></td>
<td><strong>Due of the first paper</strong></td>
</tr>
<tr>
<td>3/7</td>
<td>Collaborative recommendation: Recommendation Engines</td>
</tr>
<tr>
<td>3/14</td>
<td><em>Spring vacation – Academic Holidays</em></td>
</tr>
<tr>
<td>3/21</td>
<td>Applications of 2.0</td>
</tr>
<tr>
<td></td>
<td><strong>Unit 2. Web 2.0 (Social Web - participation)</strong></td>
</tr>
<tr>
<td>3/28</td>
<td>Introduction to Web 3.0</td>
</tr>
<tr>
<td>4/4</td>
<td>Web documents in XML (1)</td>
</tr>
<tr>
<td>4/11</td>
<td>Web documents in XML (2)</td>
</tr>
<tr>
<td></td>
<td><strong>Due of the second paper</strong></td>
</tr>
<tr>
<td>4/18</td>
<td>Web documents in XML (3)</td>
</tr>
<tr>
<td>4/25</td>
<td>Describing Web Resources in RDF</td>
</tr>
<tr>
<td>5/2</td>
<td><strong>Due of the exercise</strong></td>
</tr>
</tbody>
</table>
Course Assessment, Grading, & Policies

- Weekly activities: 25%
- Exercise: 15%
  [Distribution: 4/11; Due: 5/2]
- Two papers: 60%
  [Due of the first paper: 2/28]
  [Due of the second paper: 4/11]

Grading scale:
100-90 for A; 89-80 for B; 79-70 for C; Fail if it is 69 or less

Papers:

Paper can be thought of to be a free composition concentrating on a specific theme or subject. The purpose of the paper is for students to gain considerable knowledge and competencies in the selected topic of interest to you that is slightly or not covered in the class in general, but you may also select one that is moderately covered in the class – in this case, you should further develop it in more detail than what to be covered in the lecture or class. This research paper is an individual project. You will identify and research topics, themes, or issues related to digital library for the first paper, the due of which is 2/28, and Web 2.0 for the second paper, the due of which is 4/11. It is expected that you will use all the resources available to you, including journals, books, web resources, etc. The deliverable for this task is your paper that is expected to be 10-15 pages plus one summary page at the beginning of the paper and a reference list at the end of the paper.

At the cover page the paper MUST contain these items (points will be deducted if not present):

(i) title of the paper,
(ii) student’s name,
(iii) course number,
(iv) summary of your paper.

The final paper must be 1.5-spaced throughout. It must contain a title page with course number and name, title of the paper, student name(s) and address, and an abstract. The style of the narrative of the paper is up to the student. APA Manual contains suggestions on how to structure a report, and break it into sections.

Evaluation criteria. Papers will be evaluated according to the overall of the following criteria:

- The choice of the topic
  o Does it match the themes and topics of the courses: DL and Web 2.0
  o Is it interesting
  o Is it too broad and narrow
- The form of the paper
  o Size
  o Adherence to formatting guidelines
  o Organization into sections
  o Usages of summaries, examples, and conclusions
  o Usages of figures and tables, definitions, references and citations, when necessary
- The content of the paper
  o Clear and sound
  o Are the facts and examples correct and appropriate
  o Are the definitions and the terminology appropriate
  o Are the references and other sources appropriate
  o Is something important, such as references and sources, missing
  o How deeply is the topic covered
  o Is it plagiarism
**Weekly activities:**

The aim of the weekly activities is to develop an understanding for the contents covered in each week. Students are asked to post their answers in a discussion board in the course Blackboard. Thus, answers will be shared to all and open to discuss.

The role of instructor here is to provide comments on your answers when necessary. The role of students is not only to provide an informative and contributable answer but also to keep tracking of reading other postings in which you are not involved.

Weekly activity will enhance learning as you share your answers, ideas, perspectives, and experiences with the class. You will develop and refine your thoughts through the writing process, plus broaden your classmates’ understanding of the course content.

The rubric shown at the following table will be used to assess the overall quality of and assign a grade to your discussion contributions at the end of the semester. That is, the weekly activity will not be evaluated week by week. Instead, the activity will be evaluated as a whole once after all the activities are done.

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Unacceptable E Level</th>
<th>Acceptable C level</th>
<th>Good B Level</th>
<th>Excellent A Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>Consistently participates less than 2 times per week.</td>
<td>Participates 2 times and/or postings are on the same day.</td>
<td>Participates 3 – 4 times and/or postings are not distributed throughout week.</td>
<td>Participates 3 – 5 times throughout the week.</td>
</tr>
<tr>
<td>Initial Topic Posting</td>
<td>Posts lack thought and preparation.</td>
<td>Posts adequate topic discussion with basic thought and preparation; and/or doesn’t address the topic fully.</td>
<td>Posts well developed discussion that addresses the topic fully and demonstrates high levels of thought and preparation.</td>
<td>Posts unusually insightful and well developed discussion that demonstrates an engagement with the material beyond typical levels of thought and preparation.</td>
</tr>
<tr>
<td>Follow-Up Postings</td>
<td>Posts few or superficial follow-up responses to others (e.g., simply agrees or disagrees); does not enrich discussion.</td>
<td>Posts basic follow-up responses and makes a moderate contribution to discussion</td>
<td>Elaborates on existing postings with further comment or observation, enriching the discussion.</td>
<td>Demonstrates analysis of others’ posts; extends meaningful discussion by building on previous posts.</td>
</tr>
<tr>
<td>Content Contribution</td>
<td>Posts information that is off-topic, incorrect, or irrelevant to discussion.</td>
<td>Repeats but does not add substantive information to the discussion.</td>
<td>Posts information that is factually correct but lacks full development of concept or thought.</td>
<td>Posts factually correct, reflective and substantive contribution; advances discussion.</td>
</tr>
<tr>
<td>References &amp; Support</td>
<td>Includes no references or supporting experience.</td>
<td>Uses personal experience, but no references to readings or research.</td>
<td>Incorporates some references from literature and personal experience.</td>
<td>Uses references to literature, readings, or personal experience to support comments.</td>
</tr>
<tr>
<td>Etiquette, Clarity &amp; Mechanics</td>
<td>Posts long, unorganized or rude content that may contain multiple errors or may be inappropriate.</td>
<td>Communicates in courteously but with occasional lack of clarity and/or some errors mechanics.</td>
<td>Communicates clearly and collegially with only minor mechanics errors.</td>
<td>Postings are collegial, clear, concise and free of mechanics errors.</td>
</tr>
</tbody>
</table>

**Attendance policy:**

Students are expected to participate weekly activities through the Bb, like class attendance in traditional in-class courses. Normally the failure to virtual weekly activities through the Bb will result in point reduction. Exceptional cases include illness, emergency, or others with instructor’s permission, upon the approval of instructor.
**Important note**: Absence in at least one-third of *weekly activities* will automatically result in the reduction of grade to one lower scale (from A to B, from B to C, etc). With the absence in at least half of *weekly activities*, students will automatically get the ‘F’ grade.

**Late submission policy:**
Ten percentages of the total score will be reduced to each day delayed if there is no instructor’s consent. The acceptable circumstances for an extension or a delay include, but not be limited to: personal illness, illness in the immediate family (physician’s certificate required), and other situations in emergency. You should contact instructor immediately when it occurs.

**Course Instruction via Online**
- This online course will be primarily conducted through the UK Blackboard system that is the most popular course management system in North America. Consequently, it is essential to be familiar with the UK Blackboard system (called Bb for this afterward) and its use. Refer to the site [http://elearning.uky.edu/index.html](http://elearning.uky.edu/index.html) on how to access the BB. Be ready with your user ‘id’ and ‘password’ to access the course shell. Note that the availability of the course shell will be announced through **SLIS email listserv** when it is ready (see the FAQ below for the listserv).
- Once you log on, feel free to navigate the course shell and read information available. It is important to ensure reading all information available, as it is often the case that many students spend time in asking same information available on the Bb.
- **It is obvious that a specific class day and time is not assigned to this course as this is delivered in online. However, it will be assumed that a new class will start on every Monday of each week, unless otherwise is stated. It means that the course materials for each week will be available at the Bb on that day, most probably sometime in the morning.**

**Blackboard Use**
Contact information for Teaching and Learning Services Center:
- Website: [http://www.uky.edu/TASC/](http://www.uky.edu/TASC/)
- Phone: 859-257-8272
Contact information for Information Technology Customer Service Center:
- Website: [http://www.uky.edu/UKIT/](http://www.uky.edu/UKIT/)
- Phone: 859-257-1300
Procedure for resolving technical complaints: contact instructor first, then TASC or ITCSC
Contact information for Distance Learning Library Services:
- Website: [http://www.uky.edu/Libraries/DLLS](http://www.uky.edu/Libraries/DLLS)
- Phone: 859 257-0500, ext. 2171; (800) 828-0439 (option #6)
- Email: dllservice@email.uky.edu
Course reserves:

**Communication with Instructor and E-mail Policy**
- Email is the best way to contact instructor, albeit other viable options (phone and visit) are still open – leave your name and message on the answering machine in case. If you have course- or content-related questions, you are strongly advised to post them onto the **General Q&A discussion board of the Blackboard** first, rather than sending an email to instructor directly, to share with the other students in the class. Anyone in the class can possibly answer the questions. However, instructor can be directly contacted with private/personal issues or in emergency. Students are always encouraged to contact instructor especially when in doubt in content, assignment, discussion items, schedules, etc. I’ll normally reply back to you within 24-48 hours, but I’ll often
get back to you even much faster! If there is no response within 2 days, it would be wiser for you to contact instructor again. Please start your e-mail subject line with “LIS602” for quick and better attention.

- When you have any question, you must first post it on the Q&A discussion board unless it is any private issues or it needs a quick reply from instructor. Note that as for questions posted, instructor will not answer for a while, and wait for answers from students first. If no one replies or student answers are not adequate, then instructor will provide his feedback. Therefore, whenever you have question, it is wise that you should consult the discussion board first to see if same or similar questions were already posted. Again, if your question contains private matter or you do not feel to share it with the class for some other reasons, then send an email to me at kwan.yi@uky.edu.

**General Course Policies (School of Library and Information Science)**

Adopted May 2009  
[http://www.uky.edu/CIS/SLIS/academics/policies.pdf](http://www.uky.edu/CIS/SLIS/academics/policies.pdf)

*Academic integrity*  
*Excused absences*  
*Incompletes*  
*Academic accommodations due to disability*  
*Integration of Syllabus with UK Educator Preparation Unit Themes*  
*Integration of the Syllabus with the Themes of Diversity, Assessment, and Technology*  

**Rule of the Non-Transferable**

A same work prepared and submitted by a student for this course is not allowed to be transferable to other courses. Or vise versa. That is, a same work is prohibited from being graded for multiple courses.

**Frequently Asked Questions**

**Question:** I passed or expected to pass the due for a quiz or a class discussion for some reasons. What should I do?

**Answer:** You need to contact the instructor **BEFORE** the due to avoid being penalized. It does not mean that I will always give you more time to finish it up. Nevertheless, I am relatively flexible to give you a guidance to get you out of an awkward situation that you may get into, as long as it is **FAIR** to everyone or there must be a reasonable excuse. However, be cautious that I can’t help you once it **PASSES** the due, except for emergency cases. The thumb rule is to let instructor know as soon as possible.

**Question:** I came to know that instructor sent an email to the entire class. However, I have not got any email from instructor. What is wrong?

**Answer:** There are two possible scenarios expected: (1) the email account you are currently in use might not be registered on the Blackboard. If that is the case, go to the site for the update: [https://www.uky.edu/Blackboard/email.php](https://www.uky.edu/Blackboard/email.php); (2) a less probable scenario is that emails from instructor might be classified as spam by the email system you use and might be directly located into a special directory for spam or garbage bin directory automatically. Check your spam mails to see if there is any mail from instructor. If you are in neither of those cases, please report the problem both Computer Help Desk in UK ([http://www.coe.uky.edu/ITC/IT/helpdesk/](http://www.coe.uky.edu/ITC/IT/helpdesk/)) and instructor.

**Question:** I am new to the UK campus. I understand that this course does not require any face-to-face meeting. Nevertheless, would you give me a direction to get to the UK campus? Also, how about parking in UK?
**Answer:** Here are directions to the UK campus: [http://www.uky.edu/CampusGuide/campus-locator.pdf](http://www.uky.edu/CampusGuide/campus-locator.pdf). You should be able to print this map off pretty easily. Also, refer to the general information at: [http://www.uky.edu/Parking/visitor.htm](http://www.uky.edu/Parking/visitor.htm)

My assumption is that you are coming in on I-75/I-64, so I would recommend taking Paris Pike (27)(68) into Lexington. Paris Pike will turn into Broadway.

You’ll stay on this a bit. It will take you past Rupp Arena, etc. Stay on this and we’re going to recommend that you turn onto Bolivar St. From Bolivar pull into the back entrance of Parking Structure # 5 off of Limestone Street: Parking Structure 5 (next to Fazoli’s) does have different hours and they are usually closed on Saturdays. You can see their schedule at [http://www.uky.edu/Parking/parking-structure-5.html](http://www.uky.edu/Parking/parking-structure-5.html).

There’s a crossing structure over the road from the parking structure onto main campus. I recommend you take this. We are close to the Patterson Office Tower which is the tallest white building on campus, can’t miss it. There is also pay-parking available at William T. Young Library.
Here are driving directions directly to the Young parking lot: [http://www.uky.edu/Libraries/page.php?lweb_id=25](http://www.uky.edu/Libraries/page.php?lweb_id=25)