

**Syllabus  
Library & Information Technologies  
(LIS 4050-1)**

**1. Course Information**

Course #/Title: LIS 4050-1: Library & Information Technologies (4 Credits)  
Quarter: Spring 2013, Monday 4:00 - 6:20pm; KAR 305  
Meetings: March 25, 2013 – May 31, 2013

**2. Faculty Information**

Instructor: Shimelis Assefa, PhD.  
Contact Information: P. 303-871-6072 Email: [sassefa@du.edu](mailto:sassefa@du.edu)  
Office: KAR 244  
Office Hours: Monday 2:00-4:00pm, Wed 4:00 - 6:00 pm and other times by appointment. During my office hours, I am available for chat in my virtual office on Blackboard.

**3. Course Description**

A foundation course on the applications of information and communications technology in libraries and information agencies. Integrated library systems and the acquisition, evaluation, and implementation of library automation solutions, including electronic resource management systems will be explored. The course further introduces database design, Internet technology, web services, cloud computing, computer networks, telecommunications, and computer security. Hardware, software, and other productivity tools and utilities from organizations such as OCLC, Amazon, and Google will be discussed

**4. Course Materials, Highly Recommended and Suggested**

Readings and additional resources for each learning modules can be accessed through the Blackboard site.

Highly Recommended:

- Computers in Libraries
- Information Technology and Libraries
- Library Hi Tech
- Library Technology Reports

**Additional suggested readings are available from the following Web resources:**

- ALA TechSource (<http://www.alatechsource.org>)
- Code{4}lib Journal (<http://journal.code4lib.org/>)
- Computers in Libraries: Annual conferences (<http://www.infotoday.com/cil.htm>)
- iLibrarian: News and resources on Library 2.0 and the information revolution (<http://oedb.org/blogs/ilibrarian/>)
- American Libraries Direct : Tech Talk section (<http://americanlibrariesmagazine.org/aldirect/>)

## 5. Learning Outcomes

Upon satisfactory completion of the course, students will be able to:

- Create technology plan for acquiring library automation systems.
- Demonstrate proficiency in using integrated library systems and how it works.
- Identify emerging trends in e-resource management, cloud computing, and web services.
- Design and implement databases using database management systems.
- Explore computer security and identify vulnerabilities.
- Discuss the principles of computer networks and network management.
- Review library hardware, software, productivity tools and utilities.

## 6. Method of Instruction

This is 4 credit hours course. The policy states we need to devote 50 minutes of class meetings for every hour. Our class (between 4:00 and 6:20pm) will only cover the 3 credit hours. In order to makeup/cover the remaining 50 minutes, there is going to be additional work online in Blackboard that we will work individually. Every other week (weeks 2, 4, 6, and 8), you will see a link under respective weekly modules called "Class Addendum," that describes the extra work to be completed. Each of these extra tasks carries 5% of your grade for a total of 20%, so be sure to complete them.

## 7. Methods of Assessment

All assignments are to be completed from within the Blackboard site. Please review the descriptions of individual assignments that are available in the Assignments page. For the Discussion forum assignments, a separate rubric and outline of expectations is provided.

**Points Possible:**

Assignments	Weight (percentage)	Points
First Assignment – Icebreaker	5%	100
Library Tech Trends	20%	100

Library Tech FAQ	10%	100
LIBRARY 2.0	15%	100
Final project: Tech Spec document <sup>1</sup>	30%	200
Class Addendum (x4)	20%	400
Total	100%	1000

**Evaluation:** Grades will be based on points accumulated and converted to 100 percentile according to the following scale:

Grades	Points (%)	Grades	Points (%)
A	95-100	C+	76-79
A-	90-94	C	73-75
B+	86-89	C-	70-72
B	83-85	D	60-69
B-	80-82	F	<60

## 8. Course and Related DU Policies

**Student Responsibilities.** As a student, you are expected to challenge yourself, to actively participate in your education, and to search both inside and outside of the classroom for answers to your questions. Answers are rarely black and white at this level of study. I expect you to actively participate in the classroom, to listen and to discuss ideas with your colleagues. I expect you to read all assigned materials, and research additional sources for more information. The sources I have chosen are only some of those available in the field; you are encouraged to find other resources and share them with the class. Most importantly, you are expected to learn, and to leave this course with new ideas. My goal is to provide you with the foundation to continue to explore these ideas when you leave the classroom.

**Faculty Responsibilities.** My primary role is to serve as a facilitator in a manner that supports a meaningful learning. I will present information related to the topics covered, help you synthesize materials assigned for the course. I will both ask and answer questions; this class is your opportunity to discuss the issues. I am available outside of class time to answer questions concerning assignments and topics covered in class. I will also give you a grade. My expectations for your performance are clearly outlined in this syllabus. If anything appears unclear, or if you have any questions, please ask me. Most of all, my role is to encourage you to learn -- *encourage, not force*. You will take from this course what you put into it. I hope you will take advantage of the opportunity to learn in this class, from me, from the materials on the subject, and from your colleagues.

<sup>1</sup> 1 report per group – presentation required

*If you have special needs as addressed by the Americans with Disabilities Act and need any test or course materials provided in an alternative format, notify the instructors.*

### **HONOR CODE STATEMENT**

All members of the University community are entrusted with the responsibility of observing certain ethical goals and values as they relate to academic integrity. Essential to the fundamental purpose of the University is the commitment to the principles of truth and honesty. The Honor Code is designed so that responsibility for upholding these principles lies with the individual as well as the entire community.

The Honor Code fosters and advances an environment of ethical conduct in the academic community of the University, the foundation of which includes the pursuit of academic honesty and integrity. Through an atmosphere of mutual respect we enhance the value of our education and bring forth the highest standard of academic excellence. Members of the University community, including students, faculty, staff, administrators and trustees, must not commit any intentional misrepresentation or deception in academic or professional matters

## 9. Course Schedules

Week	Topic/Readings** <b>** See Respective Modules in Bb for Readings</b>	Assignments and due dates
1 3/25	Introduction to Library & Information Systems, and Information Technology	<b>First Assignment - Icebreaker, due 3/31, 11:59pm.</b>
2 4/1	Library Automation & Integrated Library Systems/LMSs	<b>Library Tech Trends due 4/14, 11:59pm.</b>
		<b>Class addendum 1 starts: Electronic Resource Management System, due 4/14, 11:59pm</b>
3 4/8	E-content and E-devices	<b>Start working on the Final Project, due 5/27, 11:59pm</b>
4 4/15	Library Hardware, Software, other Tools and Utilities	Library Tech FAQ <b>due 4/28, 11:59pm</b>
		<b>Class addendum 2 starts: Assistive technologies, due 4/28, 11:59pm</b>
5 4/22	Internet, Telecommunication, and Computer Networks.	<b>Confirm with me what your plans are for the final project</b>
6 4/29	Social Media, Web 2.0 and Emerging Technologies.	<b>Library 2.0 due 5/12, 11:59pm.</b>
		<b>Class addendum 3 starts: Cloud computing, due 5/12, 11:59pm</b>
7 5/6	Computer Security	
8 5/13	Database Design.	<b>Class addendum 4 starts: Digitization, document scanning, archiving, due 5/26, 11:59pm</b>
9 5/20	Digital Libraries, Institutional Repositories, and Open Access.	
10 5/27	Final project presentation Wrap-up; Course Evaluation.	<b>Final Project Presentation Final Project due – 5/27, 11:59pm</b>