

Indiana University School of Library & Information Science

L559: Introduction to Health Sciences Librarianship

Fall 2005
Mondays, 5:15 pm – 8:30 pm

Welcome to L559!

Health sciences librarianship is a terrific career path, offering diverse and challenging professional avenues in academia, hospitals, corporations, and other health-related environments. Healthcare is fast-paced, high-tech, and forward-thinking... just the place for savvy information professionals who enjoy health and medicine. For those who do not plan on entering into health sciences librarianship, this course will give you the opportunity to explore vast and diverse resources in support of the ever-increasing demand for consumer health information.

Course Goals

This semester, you'll have the opportunity to explore health sciences libraries, the healthcare industry, and the people they serve.

- To learn more about health sciences libraries and librarianship.
- To explore and develop students' attitudes, philosophies and skills required for a successful career in health sciences librarianship.
- To explore the healthcare fields, reviewing current trends and topics.
- To develop an increased understanding of management and leadership issues that may be unique to health sciences libraries.
- To familiarize students with the core health-related, print and/or electronic reference resources and subject-specific information resources.
- To familiarize students with the biomedical journal literature via MEDLINE, using the corresponding MeSH (Medical Subject Headings controlled vocabulary).
- To explore and discuss health sciences librarians' roles in research, education, grant-seeking, and other professional activities.
- To gain a better understanding of the issues and resources in: clinical medicine and special topics, pharmacy, nursing, allied health careers, dentistry and affiliated specialties, healthcare financing, health care education, evidence based medicine, consumer health, and other relevant topics.

Objectives

After participating in L559 students will be able to:

- Identify and use core health sciences reference resources
- Identify and use popular bibliographic databases such as MEDLINE, PsycLIT, ERIC, HAPPY, Web of Science, Biological Abstracts, POPLINE, or others
- Identify and use corresponding controlled vocabulary such as MeSH
- Discuss relevant and timely issues in healthcare
- Describe the fundamental structure of professional education in the health sciences
- Identify and discuss current professional health sciences librarianship literature

Instructor:

Katherine Schilling, MLS, Ed.D., AHIP
Assistant Professor
Indiana University School of Library & Information Science - Indianapolis

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317-278-2375 (department)
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317-278-1807 (fax)

Office hours are by appointment. Feel free to contact me at any time. We can talk on the phone, e-mail, or plan a meeting.

Student Responsibilities:

- Please notify me no later than the end of our second class if you require special provisions or accommodations. Students who require accommodations should register with Adaptive Education Services and complete all documentation: <http://life.iupui.edu/aes/>, 317-274-3241, TTD/TTY 317-278-2050, Fax 317-274-2051.
- Students are responsible for making all necessary provisions for accessing the print and electronic resources used in L559. This will generally require that you 1.) Use all resources from on-campus machines, and/or 2.) Apply for a guest account (if necessary) and 3.) Install IU's VPN client onto your home computer for remote access to restricted resources.
- Students participating at remote sites are responsible for monitoring the VIC/polycom equipment during class sessions. A technical expert may or may not be available; therefore, students are expected to be basically familiar with equipment. (This is good practice, since many academic health sciences libraries are fairly high-tech.)
- Inform the instructor and/or speakers ASAP if you cannot see or hear.
- Please quiet all cell phones.
- Students are expected to read all assigned materials before class and participate in class discussions. Students should scan the current literature, be informed about related events and issues, and share newsworthy information.
- Students are expected to complete all course assignments on-time and participate fully in all activities, projects, and discussions.
- Significant in-class time is made available for small group work and discussion, but you should expect to spend some out-of-class time with your groups as well. Plan accordingly and frontload your workflow!
- Students are expected to communicate effectively and politely with peers and instructors.
- Show respect to your classmates and instructor. Be punctual; do not talk while others are talking; listen attentively; do not read or type during class; do not work on assignments while others are speaking.
- In your out-of-class work, please select and consistently follow an appropriate style sheet or citation manual. (You may use APA, MLA, or any other conventional style. APA and the "*Index Medicus*" style are frequently used in biomedical journals.)
- Please ask questions about unclear coursework so that we can discuss and clarify any ambiguities in assignments or activities. I encourage you to contact me with any questions, comments, feedback that you have about this course or others!
- The instructor works to keep OnCourse current and active. All schedule changes will be announced in class and posted in OnCourse.

- All IUPUI, IU Bloomington, and SLIS Standards and Policies are in effect for this course, including standards for computing ethics, cheating and academic honesty policies, all provisions outlined in the *Code of Student Rights, Responsibilities, and Conduct*: <http://www.dsa.indiana.edu/Code/>, (IU Campus Bulletin, pp. 36 - 38) and the IU *Academic Handbook*: http://www.dsa.indiana.edu/Code/Part_2acad.html

Attendance and Participation:

Because your participation is so important to this course, attendance is expected. Contact me (katschil@iupui.edu, 317-580-0425) or a member of your small group if you must miss a class meeting.

Because of the nature of VIC/polycom, students at both the Indy and Bloomington sites must make a special effort to get to know one another and communicate effectively. Speak up! Speak loudly and clearly into the speakers. During class discussions, it is helpful if you get into the habit of stating your name before you begin speaking: *"This is Cindy... and I think..."*

Students are responsible for making all necessary provisions for accessing the print and electronic resources used in L559.

Students participating at remote sites are responsible for monitoring the VIC/polycom equipment during class sessions. A technical expert may or may not be available; therefore, students are expected to be basically familiar with equipment.

Readings:

A URL will be provided for all readings. In some cases, readings will be posted in OnCourse or distributed in-print.



Schedule & Agenda:

** Please note that this schedule is a rough agenda and may change at any time at the discretion of the instructor. Schedule modifications will be announced in class and posted in OnCourse.*

August 29:

WELCOME & OVERVIEW

Introductions
Syllabus review

Background & History of medicine
Medical environments: healthcare fields, disciplines, specialties

What is health sciences librarianship?
Medical/Health sciences librarian's world
Introduction to medical libraries: styles, types, features

Assignment overview: Subject specialty resources assignment, book reports

Small group activities

Establish teams
Go over rules and provisions
Discuss subject specialty assignment

September 5:

LABOR DAY NO CLASS MEETING – check OnCourse

Be sure that you have remote access to reference resources and bibliographic databases
Select Web library you plan on writing about
Select healthcare topic in teams – 1st exercise; begin working on topics

1st discussion option in OnCourse

Subject specialty resources selections due
Final book selections due

September 12:

PROFESSIONAL LIFE

Professional Life and Organizations
NLM, RML, organization of HSL libraries nationwide
CE and certification
NLM, NIH, RML, MLA, AAHSL, AHIP, AAME, SLA, others, (local, state, regional)

HSL on the Web
Assignment review

Reference Resources (access, licensing, related depts, etc.)
Resources tour & exercise
The HS reference interview

Small group activities

Subject specialty exercise
HSL on the Web exercise

September 19:

THE LANGUAGE OF MEDICINE & HEALTHCARE

Guest Speaker: Sue London, MLS, AHIP

Reference resources review, *continued... as necessary*

Vocabularies

Medical terminology

MeSH

Small group activities

MeSH indexing

Subject specific sources

HSL on Web

September 26:

THE BIOMEDICAL JOURNAL LITERATURE

Guest Speaker: Kellie Kaneshiro, AMLS, AHIP

Professional searchers

Search strategies

Library search services: yesterday & today

MEDLINE: PubMed, OVID, others

History, overview

MeSH

Small group activities

MEDLINE searching

October 3:

THE BIOMEDICAL JOURNAL LITERATURE, continued

Subject specialty sources reviews

Subject-specific databases: PsycLIT, POPLINE, Biological Abstracts, Toxline, and many others

Clinical medicine, basic sciences, pharmacy, professional literature, dentistry, allied health careers, nursing, public health, international health, travel, epidemiology, biostatistics, toxicology, chemical compounds, others

System management

Purchase options, access, accounts

Collections

Personalization and link-in services

Small group activities

Book reviews

Systems management exercise

Subject specific sources

2nd discussion option in OnCourse

HSL on the Web exercises due

October 10 & October 17:

ONLINE ONLY -- EVIDENCE BASED HEALTHCARE

System management, personalization options, access, purchases, *continued... as needed*

Introduction to EBM

- Diagnosis, etiology/cause, prognosis/outcome, therapy/treatment
- Steps in EBM process
- Cookbook medicine? What's the debate about?
- EBM searching discussion & exercise

Activities

- Mid-semester evaluations
- 3rd discussion topic in OnCourse
- Bioethics debate preparation (for Oct. 31)
- EBM searching exercise
- Subject specific sources

MEDLINE searching exercises due on October 17

Schilling out of town on October 17

October 24:

EVIDENCE BASED HEALTHCARE, continued

Guest Speaker: Elaine Skopelja, MALS, AHIP

Subject specialty presentations

More on EBM

- Diagnosis, etiology/cause, prognosis/outcome, therapy/treatment
- Steps in EBM process
- Cookbook medicine? What's the debate about?
- EBM searching discussion & exercise

Small group activities

- Bioethics debate preparation
- Book reviews

October 31:

BIOETHICS & SPECIAL TOPICS

Guest Speaker: Tom Emmett, MD, MLS

Subject specialty presentations

Bioethics, legal & ethical issues

- Bioethics debates:
 - treating vs. not treating nonpayers
 - Elderly drug compliance
 - Breast cancer diagnosis
 - Training physicians to abort
 - other possible topics

SPECIAL TOPICS: IAIMS; the health care industry, insurance, managed care; Visible Human Project, Mummer & oddities; others

Small group activities

- Book reviews

November 7:

GRANTS & FUNDERS

Subject specialty presentations

Bioethical issues & debates, *continued... as necessary*

Special topics, *continued... as necessary*

Grants & Funders

NLM, NIH, NHS, outreach, others

RFP, documents

Small group activities

Grant exercise

Book reviews

4th discussion topic in OnCourse

EBM searching exercise due

November 14:

EDUCATIONAL PROGRAMMING

Guest Speaker: Fran Brahmi, MA, MLS, AHIP

Subject specialty presentations

Educational programming models

History, background: computer-assisted instruction, others

Problem-based learning (PBL), critical thinking, assessment and evaluation

Issues for teaching with technology

Access and control

Databases management, technology, systems & computing

Education-focused research

AAMC, MSOP, professional organizations

Standards & mandates

Small group activities

Book reviews

Educational programming case study

5th discussion topic in OnCourse

Bioethics debate materials due

November 21: CONSUMER HEALTH

Guest Speaker: Peggy Richwine, MLS

Subject specialty presentations

Consumer health

- Patrons, user groups, the served and underserved
- Outreach, services, resources
- NLM, MEDLINE*plus*, WebMD, professional organizations, others

Small group activities
 Book reviews
 Consumer health exercise

6th discussion topic in OnCourse
 Subject specialty pathfinders due

November 28: HOLIDAY -- NO CLASS

Check OnCourse

December 5: MANAGEMENT & LEADERSHIP

Guest Speaker: Jane Buch, MLS

Subject specialty presentations

Management & Leadership

- Mission
- Patron expectations: policies, procedures
- E-collections management
- Facilities
- Budgeting
- Personnel, hiring, management
- Leadership case study
- Networking up and down the ladder
- Administrative models

Small group activities
 Book reviews
 Leadership case study

Written book reports due

December 12: SPECIAL TOPICS & MISC

Subject specialty presentations, *continued... as needed*
 Management & leadership, *continued... as needed*
 Other topics, *continued... as needed*

Small group book theme presentations
 Book theme postings due

Course evaluations
 Peer evaluations

Assignments and Grading:

Assignment	Point Value	* Due Date
Participation		
Readings, discussions, small group activities, case studies, overall participation	100 pts	
'Newsworthy' Discussion Posting (1 per person)	50 pts	Individual dates
'Newsworthy' Discussion Responses (5 per person)	50 pts total	Aim for ½ by Monday, October 24 and ½ by Monday, December 14 -- 6 TOTAL
Subject Specialty Resources Reviews	50 pts	Presentations beginning on Monday, October 24
Subject Specialty Pathfinders	100 pts	Written due on Monday, November 21
Oral book reviews (in combined small groups)	50 pts	Individual dates beginning on Monday, October 3
Written Book Report	125 pts	Monday, November 5
Book Theme Posting (one per small group)	25 pts	Monday, December 12
HSL on the Web	100 pts	Monday, October 3
MEDLINE Searching Exercise	200 pts	Monday, October 17
EBM Searching Exercise	100 pts	Monday, November 7
Bioethics Debate & Materials	50 pts	Monday, November 14
1000 total points		
<p><i>* Please note that all materials are due in the OnCourse drop-box on or before MIDNIGHT on the specified date. All dates are subject to change as needed. Any schedule modifications or date changes will be announced in class and posted in OnCourse Announcements.</i></p>		

This course adheres to SLIS grading policies (outlined in the *IUPUI Campus Bulletin*, pp. 7 - 8) as follows:

A (4.0)

Outstanding achievement. Student performance demonstrates full command of the course materials and evidences a high level of originality and/or creativity that far surpasses course expectations. The grade of A+ is not granted at SLIS, except in very exceptional cases.

A (3.7)

Excellent achievement. Student performance demonstrates thorough knowledge of course materials and exceeds course expectations by completing all requirements in a superior manner.

B+ (3.3)

Very good work. Student performance demonstrates above-average comprehension of the course materials and exceeds course expectations on all tasks as defined in the course syllabus.

B (3.0)

Good work. Student performance meets designated course expectations, demonstrates understanding of the course materials, and performs at an acceptable level. Unsatisfactory work and inadequate understanding of course materials.

B- (2.7)

Marginal work. Student performance demonstrates incomplete understanding of course materials.

C+ (2.3)

Unsatisfactory work and inadequate understanding of course materials.

In compliance with SLIS policies, incompletes are **NOT** awarded except under extraordinary circumstances.

A	= 4.0	1000 - 930
A-	= 3.7	920.9 - 900
B+	= 3.3	890.9 - 870
B	= 3.0	860.9 - 830
B-	= 2.7	820.9 - 800
C+	= 2.3	790.9 - 770
C	= 2.0	760.9 - 730
C-	= 1.7	720.9 - 700