

SIS590: Problems in Information Science: Health Sciences Libraries

SUMMER 2008

Tues 6:30-9:10 p.m.

DE ONLY

Instructor: Martha Earl, MSLS, AHIP

Office: Preston Medical Library, UT GSM

Office Phone: 865.305.6616

E-mail: mearl@mc.utmck.edu

Office Hours: M-F 8:30-5:00

Available for consult M-F 5:15-6:00

COURSE DESCRIPTION

The instructor will provide an overview of health sciences libraries, including management, collection development, reference, and current trends. Students will be able to define the role of health sciences libraries, describe the tasks necessary to managing them, understand health sciences collection development and related issues, learn about reference and information sources and services, understand the process of evidence-based medicine, and be made aware of trends.

PREREQUISITES

Completion of courses -- IS530 & IS560—required; IS540 & IS550 – recommended.

ABOUT THE COURSE

This course is meant to be an overview of health sciences libraries and not an in-depth immersion. If you are interested in more in-depth learning regarding health sciences libraries, I encourage you to consider a practicum.

The assignments in this course are designed to help you master the material and provide you with experience that will benefit your professional goals after completion of the degree. Knowledge of health science resources and issues will prove beneficial in a variety of library settings.

CONTACTING ME

Please use email as your primary way to contact me. I check my email frequently during the day and in the evening. If you want to call me, please do so during the 5:15 to 6PM time aforementioned. I am happy to answer any questions or clarify any assignment or topic mentioned in class or on the syllabus

DISABILITIES

Please contact the Office of Disability Services at 191 Hoskins Library at 865.974.6087 if you need course adaptations or accommodations. They will work with you to arrive at the appropriate program and register you for services. Also please contact me so that we can adapt any assignments accordingly.

READINGS

Required

Text: The Medical Library Association Guide to Managing Health Care Libraries, edited by Ruth Holst and Sharon Phillips. New York: Neal-Schuman, 2000.

On-line readings: There are some required readings that are available on-line through databases at the UT libraries or from web sites.

Recommended

Texts: Users' guides to the medical literature : a manual for evidence-based clinical practice / The Evidence-Based Medicine Working Group, edited by Gordon Guyatt, Drummond Rennie. Chicago, IL : AMA Press, 2002. (JAMA ARTICLES MAY BE USED INSTEAD OF BOOK AND ARE AVAILABLE THROUGH UT LIBRARIES.)

Assignments (due dates on class schedule)

Interview with health sciences librarian-15%	
Collection development project-20%	
MeSH assignment/PubMed tutorial-5%	
Review of topic in databases-10%	
Reference questions-15%	
PICO assignment/Duke tutorial-5%	
Evidence-based medicine project-20%	
Trends paper final-10%	
TOTAL	= 100%

Interview with health sciences librarian: At the start of the semester, each student will choose a health sciences librarian to interview. Preferably this will be done in person, but an email or telephone interview is acceptable. Questions will be provided. However, additional questions that the student wants to ask may be encouraged. This assignment will account for 15% of your grade. Students will make a 7-10 minute oral presentation to the class, and will be prepared to answer questions from their colleagues. The student will also prepare a written document that will be posted to the class BlackBoard site so it can be shared. The written document should be 2-4 pages.

Collection development project: Students may work individually or in groups to prepare a collection of resources for a health sciences collection. Students will choose their focus, write a brief collection development policy, stay within the assigned budget, and provide a bibliography of recommended materials organized either by call number or subject. This assignment will account for 20% of the grade.

MeSH assignment/PubMed tutorial: Each student will assign Medical Subject Headings to the list of topics provided and submit the list to the instructor. Each student will complete the tutorial on the National Library of Medicine's PubMed site. This assignment will account for 5% of the grade.

Review of topics in databases: Each student will select a topic and search for information on that topic in the major medical databases. A description of the search strategy used, examples of the search results, and an analysis of the ease of the interface will be prepared as a written document. Students will compare and contrast databases for the use of different types of health professionals and consumers. This will account for 10% of your grade.

Reference questions: Students may work individually or in groups to find the answers to an assigned group of reference questions and submit this as a written document. This will account for 15% of your grade.

PICO assignment/Duke tutorial: Each student will complete a worksheet to determine clinical questions in PICO format, to write a sample case and question, and to search for results that could answer the student's question in PubMed and two other evidence-based medicine databases. Each student will complete the Duke tutorial on evidence-based medicine and turn in quiz results. This assignment will account for 5% of your grade.

Evidence-based medicine project: Students may work individually or in groups to select a health question, phrase it in PICO format, and search PubMed and secondary evidence-based medicine sources to find an article that could answer the question. Students will then analyze the article for validity and relevance using evidence-based medicine worksheets provided. Students will prepare a 7-10 minute presentation detailing their question, search strategy, and results of their analysis and be prepared to answer questions from their colleagues. A PowerPoint template will be

provided. The presentation or outline will be submitted to the Blackboard site to be shared. This assignment will account for 20% of your grade.

Trends paper final: Each student will select a topic of interest in health sciences librarianship and write a 4-5 page paper based on class discussions and readings. The topic must be approved by the instructor prior to class. This assignment will account for 10% of your grade.

HOW TO COMPUTE YOUR GRADE

All assignments will receive a letter grade ranging from A+ to F-. The number of points you can earn on a particular assignment can be calculated by multiplying the number of points for a particular grade (see table below) by the weighting for the assignment.

<u>Letter</u>	<u>Grade</u>	<u>Points</u>	<u>Letter</u>	<u>Grade</u>	<u>Points</u>
A +		140	C-		60
A		130	D+		50
A -		120	D		40
B+		110	D-		30
B		100	F+		20
B-		90	F		10
C+		80	F-		0
C		70			

For example, if you receive a "B" on the topic presentation (worth 20% of your grade), you have earned 20 points ($100 \times .20 = 20$). Here's how it works for the course grade: to earn an "A" you must earn at least 120 points; for a "B" you need at least 90 points; for a "C" you need at least 60 points, and for a "D" you must have at least 30 points. You will receive an "F" if you have less than 30 points.

ATTENDANCE

Attendance is highly encouraged because class discussions are an important part of mastering the material. Frequent absences will result in a grade reduction. It is MANDATORY to attend ALL the meetings with final project presentations. This is a courtesy to your colleagues who are making their presentations.

CHEATING AND PLAGIARISM

When you write for this class or when you are making a presentation, remember that any sources you use should be credited and that materials on the web should be cited too. Use Chicago style for your citations. If you use someone's words or ideas without attribution - that's plagiarism. Remember cheating and plagiarism are violations of scholarly and professional ethics and University policy; don't do it! **If you cheat or plagiarize, you will fail the course;** and could face further actions. Further information is available in Hill Topics, the UTK student handbook.

SCHEDULE OF TOPICS, READINGS AND ASSIGNMENTS

Week	Class dates	Topics	Reading	Assignment Due
Management of Health Sciences Libraries				
1	6/3	Introduction to the course, instructor and requirements. Overview of health sciences libraries Management and administration basics Assignment: Interview with a health sciences librarian	Holst: Chapters –3-6, 8-9, 14. MLANet, Leadership and Management Section site. Tennessee Medicine article on health sciences libraries. NNLM and TheSLA sites.	
2	6/10	Asynchronous-professor available to answer questions for one hour.	Continue readings. Work on assignment.	
Collection Development and Reference				
3	6/17	Collection Development Assignment of collection development project	Holst: Chapters 12, 13, 15, 16. MLANet, Collection Development Section site. Brandon-Hill lists site. Peg Allen’s nursing site. Review resources-Doodys, YBP site, Majors, Amazon, LJ, medical journals, PubMed, etc. Read article related to move toward all electronic journals in medical libraries, pros and cons.	Interview Project Due
4	6/24	Asynchronous-professor available to answer questions for one hour.	Continue readings.	
5	7/1	Reference and Information Services Ready Reference Health Sciences Databases Assignment of MeSH questions and PubMed tutorial	PubMed tutorial. Articles on information seeking skills of physicians, nurses, and pharmacists. Pew report on consumer use of the Internet for health issues.	Collection Development Project Due
6	7/8	More on Full-Text Databases PDA’s Off-campus Services Health Web Sites	Article comparing use of full-text databases on patient care. Articles on current trends in health sciences librarianship	MeSH Assignment Due

		Library 2.0 CME and Related Issues Trends Paper Description Assignment of Review of Topic in Databases, Reference Questions, and Trends Paper Research		
7	7/15	Asynchronous-professor available to answer questions for one hour.	Continue readings.	

Week	Class dates	Topics	Reading	Assignment
8	7/22	Research in the Health Sciences Evidence-Based Medicine Assignment of PICO worksheet, Duke tutorial, and EBM presentation	JAMA Users Guides to the Medical Literature, articles on therapy and diagnosis. Duke tutorial	Review of Topic in Databases Due Reference Questions Due
Research and Evidence-Based Medicine				
9	7/29	Asynchronous-professor available for one hour to answer questions.	Continue readings.	EBM presentation due to be submitted to instructor by August 3.
10	8/5	Class presentations Trends paper written in class and turned in by end of session, if not before.		Trends Paper Due