Information Literacy Competencies: Specific Skills

Graduates should have the skills to choose the best resource and use it effectively to find the best information.

The goal of these competencies is to ensure students possess a conceptual framework for information-seeking that can be applied to a variety of research questions and changing information environments.

Skill	Existing Resources to support learning	Possible	Possible Assignment
	this skill	Course	
Choose a manageable topic of interest and	Handouts: Library Research Checklist; Search	N4205	
formulate a researchable question	Strategy Checklist; Well-Built Clinical Question		
Determine the extent of information	*could use some more general resources about	N4205	
needed.	choosing a topic – our resources are mostly about		
	framing a question so you can search it. Prob good		
	resources faculty are already using??		
Understand the content and structure of	Tutorial: <u>University of Minnesota QuickStudy</u> – not	N4205	
different types of information retrieval	health-sciences focused, but still very helpful.		
systems (article indexes, library catalogs,			
etc.)			
Understand the scholarly process as it	Recorded workshops: The Publication Process	N4205	
relates to the generation of published	Handouts: Understanding Research Study Designs;		
information.	Primary, Secondary and Tertiary Sources in the		
	Health Sciences; Structure of a Research Paper		
Recognize the existence of many forms of	Handouts: Evaluating Web Resources; Levels of	N4205	
information sources, and critically evaluate	Evidence and Grades of Recommendation;		
the characteristics of different types.	Identifying Peer Review Journals		
Identify appropriate sources (e.g.	Handouts: Library Research Checklist; Bio-Medical	N4205	
databases, search engines, catalogs) to use	Library Homepage Overview; Subject-Based		
to search for relevant information	Research Guides (various); Indexes by Subject		
Be able to direct patients to reliable	Consumer health page	N4201 or	
consumer health information on the		N4322	
Internet.			

Skill	Existing Resources to support learning this skill	Course	Possible Assignment
Identify keywords, synonyms and related terms to find information for a topic of interest	Handouts: <u>Boolean Operators: A Cheat Sheet; Ovid</u> <u>Medline, CINAHL, PubMed, AMED, Google</u> <u>Scholar, Googling the Net, PsycINFO, various other</u>	N4104	Ethics in Media
Understand and use controlled vocabulary appropriately	specific database guides	N4205	
Construct a search strategy using appropriate commands for the information retrieval system selected (e.g., Boolean operators, truncation, and proximity for search engines; internal organizers such as indexes) Implement the search strategy in various information retrieval systems using different user interfaces and search engines, with different command languages, protocols, and search parameters	Tutorials: Ovid Medline (coming soon), <u>Cochrane</u> <u>Library</u> , <u>PubMed</u> , <u>Web of Science</u> <u>Recorded Classes</u> : Ovid Medline, PubMed, Literature Search Techniques and RefWorks, Resources for Clinicians, Strategies for Interprofessional Research		
Refine the search strategy if necessary based on the quantity, quality, and relevance of the search results			
Utilize local sources to retrieve full text of identified materials, and use available services (Interlibrary Loan, professional associations, institutional research offices, etc.) to obtain materials not held in local collections	<u>Recorded classes</u> : Finding Electronic Full Text <u>Ordering Materials page</u> *library developing a holistic tutorial on process of finding known materials	N4205	
Choose appropriate references for the information need at hand.	Handouts: <u>Evaluating Web Resources</u> ; <u>Levels of</u> Evidence and Grades of Recommendation; <u>Googling</u>	N4205	
Evaluate information and its sources critically	the Net; Identifying Peer Review Journals; Understanding Research Study Designs; Well-Built Clinical Question; Primary, Secondary and Tertiary Sources in the Health Sciences	N4205	
Incorporate selected information into a knowledge base such as RefWorks.	Handout: <u>RefWorks</u> ; Tutorial: <u>RefWorks</u> ; <u>Recorded</u> <u>classes</u> : RefWorks	N4205	

Skill	Existing Resources to support learning this skill	Course	Possible Assignment
Demonstrate appropriate use of	Resource page: Writing Guides and Style Manuals in	N4205	
information in an assignment	the Health Sciences		
Synthesize information into a body of		N4104 or	
knowledge and communicate results	Also "citing sources" module of <u>QuickStudy</u>	N4600W	
effectively.			
Consistently document sources following			
an accepted style (e.g. APA, AMA,			
Chicago)			
Articulate the economic, legal, and social issues surrounding the use of information,			
and access and use information ethically			
and legally.			
Know where and when to seek help, and	Help available on Bio-Medical Library website –	N4104 or	
realize that information competency skills	links to <u>real people</u> , also copious handouts/tutorials	N4205	
take time to develop and refine.	in Research Help section, links to recordings of	111205	
·····	classes		
U of M Library Resources:	Evidence-Based Practice:	•	Bibliographic Management:
-MNCAT	-Cochrane		-RefWorks
-E-Journals	-InfoPOEMS		
-FindIt links	-ACP PIER		Clinical Tools:
-ILL	-National Guidelines Clearinghouse		-FirstConsult
-WorldCat	<u>_</u>		-UpToDate
	Drug References:		
Article Indexes:	-Micromedex		Visual tools:
-CINAHL	-Natural Medicines Comp.Database		-Images.MD
-Ovid MEDLINE	-Natural Standard		-Anatomy TV
-PubMed			
-PsycINFO	Electronic Textbook Suites:		Consumer Health:
-AMED	-E-books page		-MedlinePlus
<u>Service Orwitin Indea</u>			
- <u>Sociological Abstracts</u> - <u>Science Citation Index</u>	- <u>Stat!Ref</u> - <u>MDConsult</u> - <u>R2 Library</u>		- <u>Cancer.gov</u> - <u>MayoClinic.com</u>