



ILS 49500: Information Strategies for Health Professionals

Course Information

Fall 2024 (first eight weeks, Jan. 13 – March 7)

Mondays and Wednesday, TBD

TBD

1 credit hour

Course Webpage: TBD

Instructor

Andrea M. Hayes

Preferred Pronouns: she/her/hers

Office: WALC 3053E

Phone:

Email: hayes261@purdue.edu

Office hours: By request (email me).

Course description

So, you want to go to medical school...or veterinary school...or become a chiropractor, dentist, public health specialist, osteopath, occupational therapist, physical therapist, physician's assistant, or get a PhD and do clinical research. Take this course to develop essential information skills to support your professional goals and prepare you for graduate or professional school. Show up on day one of professional or graduate school knowing how to navigate PubMed and other databases, differentiate between various types of research articles, and save and organize articles so you can easily locate them, "cite while you write," and share articles with your classmates or research group.

Prerequisites (if needed)

There are no prerequisites for this course.

Course website

We will use Brightspace as our course management system. You can access the course website at purdue.brightspace.com.

Learning outcomes

By the end of this course, you will be able to:

- Plan for comprehensive literature searches by clearly defining your information need and mapping search terms to those concepts
- Find information relevant to your information needs using appropriate subject database(s), including the use of keywords or prescribed vocabulary, and available search facets
- Evaluate the level of evidence of various research methodologies
- Save, organize, and use materials in multiple formats (journal articles, books, book chapters, web sites) using a citation management system
- Discuss what evidence-based practice means to you in the context of your career goals.

Learning resources & texts

[Patten, M. L., & Newhart, M. \(2018\). *Understanding research methods : An overview of the essentials \(Tenth edition.\)*. Routledge.](#)

Supplemental

[Aveyard, H., & Sharp, P. \(2017\). *A Beginner's Guide to Evidence-Based Practice in Health and Social Care / Helen Aveyard and Pam Sharp*. \(Third edition.\). Open University Press.](#)

[Howlett, Bernadette, et al. *Evidence-Based Practice for Health Professionals*, Jones & Bartlett Learning, LLC, 2020.](#)

[Greenhalgh, T. \(2019\). *How to Read a Paper : The Basics of Evidence-Based Medicine and Healthcare \(Sixth edition\)*. Wiley Blackwell.](#)

- All books are available electronically through the Purdue Libraries.
- Additional readings may be assigned during the semester and will be posted in Brightspace.

How to succeed in this course

To succeed in this course, please:

- Complete the assigned pre-work before coming to class
- Attend all classes
- Ask questions when you have them
- Turn in assignments on time
- Help others who aren't as far along as you
- Speak with Prof. Hayes if you are having a hard time or there are extenuating circumstances

Instructor's office hours

Office hours are by appointment. Meeting right before or after class is an option if your schedule permits.

You may email me at hayes261@purdue.edu to set up a meeting, phone call or FaceTime/Zoom video chat.

Instructor's online hours

I am available via email between 8:00 a.m. and 6:00 p.m. and will generally respond to your email within 48 to 72 business days.

Asynchronous Class Rules

With this class being held asynchronously, this means there are some "house rules" we need to establish:

- Please be kind on the discussion boards.
 - Everyone has an opinion, and it is necessary to respect those opinions.
- Respond to at least one person on each discussion board post.
 - We want to be sure everyone is "heard."
- "Come" to class ready to learn.
- Stick to the topic.
 - When/if posting links, do not post any that are not relevant to the course.
- Post questions relevant to the course and the coursework.
 - We will have a discussion board specifically for questions and concerns where we can all share helpful information with each other.

Emailing Professor Hayes (and your other professors)

Here are some useful etiquette tips for emailing professors:

- Start with a salutation such as "Hello," and use the appropriate title for who you are addressing (Prof./Professor/Dr.)
- Introduce yourself (My name is...I am in your___class)
- Keep the email short, simple, and concise, while maintaining politeness.
- End clearly (Thank you for your time/Best/Sincerely)

Course Schedule

This schedule and assignments subject to change. Any changes will be announced in class and posted in Brightspace.

Week	Date	Topic	Spotlight	Pre-work	Assignment
1	Jan 13	Overview of the course. Anatomy of a library.	Libraries collections; ebook etiquette		
1	Jan 15	Citation management. Why Zotero? Getting started with Zotero.		Watch Zotero tutorial video	Reflection #1 due by Fri Jan 17 11:59 p.m.
2	Jan 20	MLK Day/Inauguration Day— NO Class			
2	Jan 22	Building and organizing your Zotero library/collection	Interlibrary loan	Watch Zotero video(s)	
3	Jan 27	Annotating PDFs & note taking in Zotero; citing while you write with MS Word, GDocs, or Libre Office.			Zotero assignment due by Fri Jan 24 11:59 p.m.
3	Jan 29	Building searches with AND, OR, NOT, quotation marks, parentheses, etc. PubMed I. General search strategies for PubMed	Browzine	Read chapter 18 of Newhart & Patten AND Watch PubMed video	
4	Feb 3	PubMed II. Using Medical Subject Headings (MeSH). Other PubMed techniques.			
4	Feb 5	Asking answerable questions: Using PICO(T) //How to Develop Research Questions			
5	Feb 10	In Class Research//Office Hours (Prof. Hayes will be online to answer questions—			

		make appointments with Prof. Hayes)			
5	Feb 12	Plan for comprehensive searching. Documenting your searches.	Liaison librarians	Read chapter 15 of Newhart & Patten	PICO assignment (15 pts) due Fri Feb 14, 11:59 p.m.
6	Feb 17	Locating Literature in Electronic Databases	Research data services	Read chapter 13 of Newhart & Patten	
6	Feb 19	In Class Research//Office Hours (Prof. Hayes will be online to answer questions—make appointments with Prof. Hayes)			
7	Feb 24	How do I know if the evidence is convincing and useful?	GIS services		Research article comparison, due Fri Feb 28, 11:59 p.m.
7	Feb 26	Quantitative and Qualitative Research Methods	Equipment loans	Read Chapter 7 of Newhart and Patten	
8	March 3	AI in Healthcare		Read two (2) assigned articles in Brightspace	Reflection 2 due Fri March 7, 11:59:00 p.m.
8	March 5	No Class (Complete Final Assignments)			Scholarly journal assignment, due Fri March 7, 11:59:00 p.m.
9	March 7	Classes End.			Final essay (and any other assignments) due Friday March 7 th 11:59 p.m.

Assignments (Course requirements)

Assignments	Due	Points
Reflection #1	Jan. 17	10
Zotero assignment.	Jan. 24	10
PICO assignment	Feb. 14	25
Research article comparison	Feb. 28	20
Scholarly journal assignment	March 7	15
Reflection #2	March 7	10
In-class participation	Ongoing	10
Total		100

Grading scale

Students who register for the letter grade option will receive a final grade based on the following scale:

A	90 - 100% of points
B	80 - 89% of points
C	70 - 79% of points
D	60 - 69% of points

Students who register for the Pass/Fail option must earn at least 70% of total points to pass the course.

Course Policies

With regard to the following policies, Prof. Hayes' wording is highlighted in red. Otherwise University policies apply and are referred to. If you have any questions, we can discuss the policies in class.

Incompletes

If you feel that you need to take an incomplete for this course, please talk to Prof. Hayes about it. I doubt many will feel an incomplete is necessary, but in these uncertain times anything is possible.

Academic Dishonesty

Academic dishonesty generally refers to copying someone else's work and presenting it as your own work. Many times, this is because the writer does not understand how to correctly credit someone else for their thoughts/work. If you are unsure about how to correctly cite others' work in your own writing, Prof. Hayes can suggest some resources to help you understand better how to do this. We could also talk about it in class. After all, citing while you write is an information skill!

For more information, please refer to Purdue's Student Guide for Academic Integrity in the Content/University Policies section of the course Brightspace.

AI Policy

“Students are expected to adhere to the guidelines provided by instructors for academic work so that no student gains an unfair advantage. Using or attempting to use unauthorized materials, information, study aids, notes, or any other device in any academic exercise will not be tolerated. Unauthorized materials may include anything which or anyone who gives a student assistance that has not been approved by the instructor in advance.”

AI usage for the writing and completion of assignments is not allowed in this course. Usage of any AI tools to complete assignments will result in an automatic zero.

Copyrighted materials

Please refer to Purdue’s policy on the Use of Copyrighted Material in the Content/University Policies section of the course Brightspace.

Attendance

Please try to participate in class. We will have online discussion boards in this class, and we want to hear from people with different backgrounds and different goals.

Missed or late work

All assignments may be turned in by 11:59 PM on Wednesday October 9, 2024 for partial credit at Professor Hayes’ discretion.

Grief absence policy for students

Purdue University recognizes that a time of bereavement is very difficult for a student. The University therefore provides the following rights to students facing the loss of a family member through the Grief Absence Policy for Students (GAPS). GAPS Policy: Students will be excused for funeral leave and given the opportunity to earn equivalent credit and to demonstrate evidence of meeting the learning outcomes for missed assignments or assessments in the event of the death of a member of the student’s family.

See the University’s website for additional information:

http://www.purdue.edu/studentregulations/regulations_procedures/classes.html

Violent behavior policy

Please refer to Purdue’s Violent Behavior Policy in the Content/University Policies section of the course Brightspace.

Emergency Statement

In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to changes that may be necessitated by a revised semester calendar or other circumstances beyond the instructor's control. Relevant changes to this course will be posted onto the course website or can be obtained by contacting the instructors or TAs via email or phone. You are expected to read your @purdue.edu email on a frequent basis.

Accessibility and Accommodations

Purdue University strives to make learning experiences as accessible as possible. If you anticipate or experience physical or academic barriers based on disability, you are welcome to let me know so that we can discuss options. You are also encouraged to contact the Disability Resource Center at: drc@purdue.edu or by phone: 765-494-1247.

Nondiscrimination statement

Please refer to Purdue's Nondiscrimination Policy Statement in the Content/University Policies section of the course Brightspace.

Course Evaluation

During the last two weeks of the course, you will be provided with an opportunity to evaluate this course and your instructor. Purdue now uses an online course evaluation system. You will receive an official email from evaluation administrators with a link to the online evaluation site. You will have up to two weeks to complete this evaluation. Your participation is an integral part of this course, and your feedback is vital to improving education at Purdue University. I strongly urge you to participate in the evaluation system.

Disclaimer

This syllabus is subject to change.