



# Searching For **SCHOLARLY** **INFORMATION:** Where & How

**LIBRARY SESSION FOR ENCS 282**

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# AGENDA

1. Where to search?
2. How to evaluate?
3. What are scholarly sources?
4. How to access library tools?



**WHAT SEARCH TOOL  
DO YOU USE TO FIND  
ACADEMIC  
INFORMATION?**

# WHAT IS THE DIFFERENCE?

## GOOGLE SCHOLAR



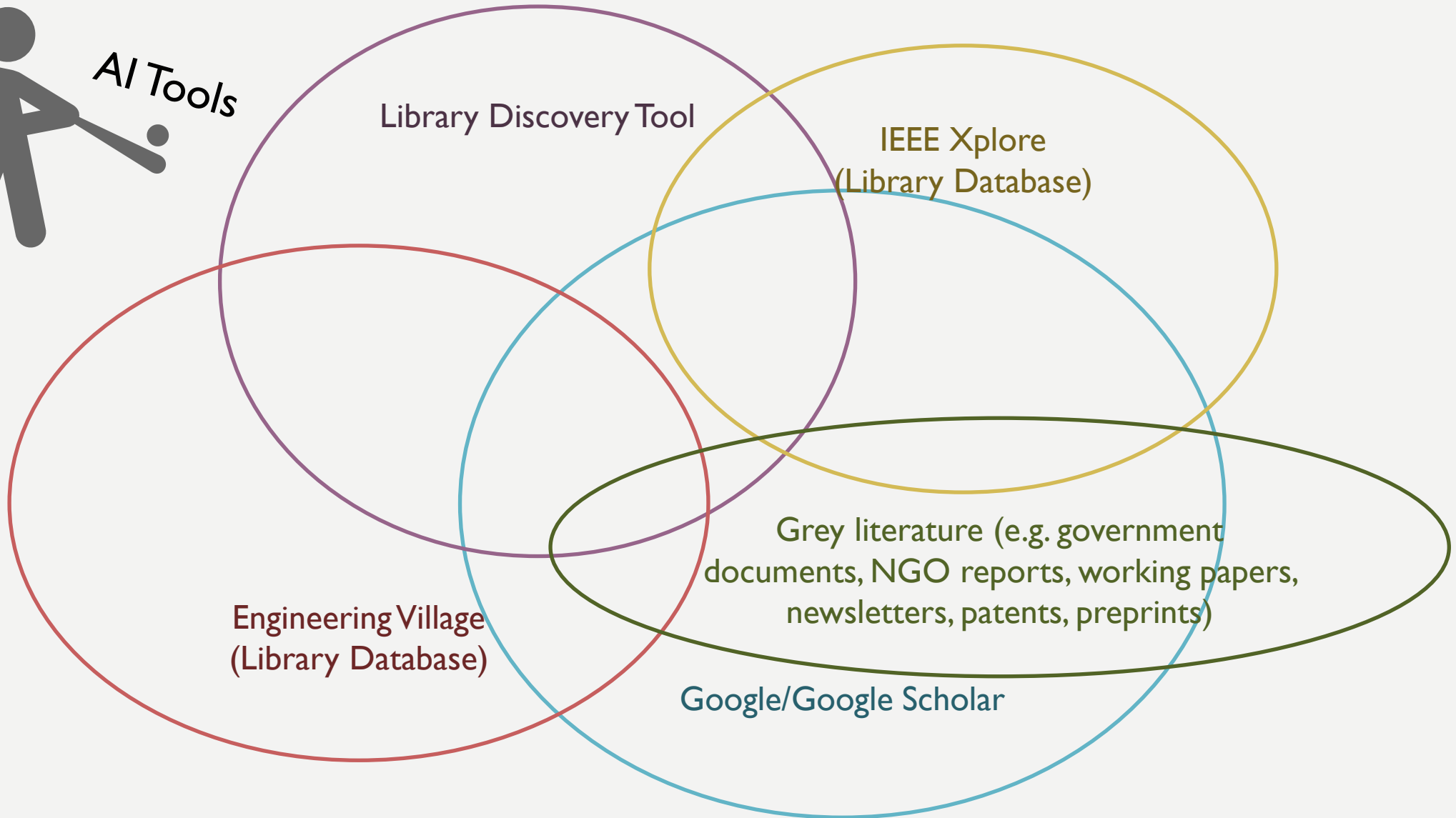
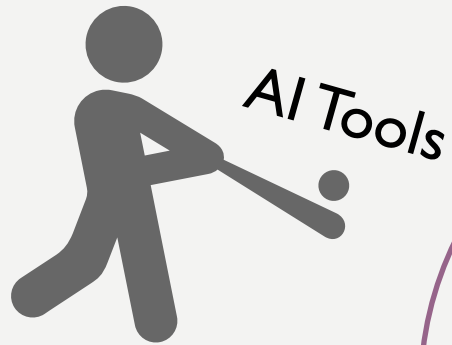
Volume | Quantity | Quick

## LIBRARY DATABASES



Depth | Quality | Thorough

# WHERE SHOULD YOU SEARCH?





**HOW IS USING  
CHATGPT DIFFERENT  
FROM GOOGLING?**

# HOW ARE THEY DIFFERENT?

## GOOGLE

Information retrieval

Index of web-based information

List-based results, one-way interaction

Retrieve results based on ranking algorithms  
(e.g. keyword matching, relevance, page linking)

## CHATGPT

Information generation

Human-like responses to prompts

Conversation-based results, often very persuasive

Generate unique responses based on what it has  
learned about patterns and sequences of words  
from massive training datasets

# CITING AI-GENERATED CONTENT

## BE TRANSPARENT AND DOCUMENT THE PROCESS

- Acknowledge the use of such AI tool in the process of writing where appropriate (e.g. Introduction, Methodology)
- Provide the prompt used in the text. For long responses and interactions, provide it as an appendix or as a direct link (via a browser extension like [ShareGPT](#) or [A.I. Archives](#))
- Indicate how the AI-generated content was incorporated into your work. If you've edited the AI-generated text, you should indicate so in the text (e.g. "edited for style and content")



# CITING AI-GENERATED CONTENT

## AN EXAMPLE IN IEEE CITATION STYLE

There is currently no official stylistic recommendations from IEEE for referencing AI-generated content. IEEE requires any citation and style issues not covered by its own style manual to be addressed using the Chicago Manual of Style.

When prompted with “Is the left brain right brain divide real or a metaphor?” the ChatGPT-generated text indicated that although the two brain hemispheres are somewhat specialized, “the notation that people can be characterized as ‘left-brained’ or ‘right-brained’ is considered to be an oversimplification and a popular myth” [1].

[1] Text generated by ChatGPT, OpenAI, May 21, 2024, <https://chat.openai.com/chat>.



# **EVALUATING INFORMATION**

**STRATEGIES AND CONSIDERATIONS**

# THINK, PAIR, SHARE

Talk to the person next to you for 5 minutes:

What are some ways to ensure that the information you find online is accurate and reliable?

# EVALUATING INTERNET INFORMATION


## What do fact checkers do?

- Spend more time scanning the snippets on the results page **before clicking**
- Know what you read **before you read it**
- More **lateral reading** than vertical reading

# BE MORE INTENTIONAL

Consider these factors **as much as possible**

- Who is behind the information?
- Who is the intended audience?
- What is the evidence?
- What is scope/depth/breadth?
- What do other sources say?
- How current is the information?
- ⓪ Are there any voices or perspectives missing?



# TYPES OF INFORMATION SOURCES

WHAT IS CONSIDERED SCHOLARLY?

# **NAVIGATING SCHOLARLY INFORMATION**

**ANSWER POLL QUESTIONS ON MENTIMETER**

# CONTEXTUALIZE THE PROBLEM WITH INFORMATION

You need to design a playground for a neighbourhood

Economical

Environmental

Political

Legal

Cultural

Social

Historical

Government data and statistics

Trade magazines

Photos

Encyclopedias

Standards and codes

Materials properties

Books

Handbooks

Conference proceedings

Maps

Technical reports

Research articles





# **LIBRARY DISCOVERY TOOL**

**THE MAIN LIBRARY SEARCH TOOL**

## Sofia Discovery tool

Books, ebooks, articles, and more

Search

User guide

Searching Sofia 

Advanced search



DATABASES BY  
SUBJECT



E-JOURNALS



COURSE  
RESERVES &  
TEXTBOOKS



CITATION GUIDES  
& ZOTERO



LOANS &  
RETURNS



BOOK A GROUP  
STUDY ROOM

## LIBRARY DISCOVERY TOOL

- Front and centre on the library homepage
- A good starting point for a general search across library resources
- Answer questions such as:
  - Does the library have this book?
  - Does the library have this journal article?
  - Does the library have some background/overview information on a topic?

Sofia **Concordia**  Hello Sign In

Advanced Search Resources

Sort: **Best Match** ★ Saved Items (0)

Group This Search  
 Group Related Editions

Library  
 Libraries Worldwide  
 Bibliothèques universitaires du Québec  
 Concordia University Library  
 Webster Library  
 Vanier Library  
 Special Collections

Format  
[All](#)  
[Article \(13.9K\)](#)  
[Book \(1K\)](#)

Article, Chapter (17K)  
 Article (13.9K)  
 Downloadable Article (2.1K)  
 Chapter (1.3K)


Book (1K)  
 eBook (975)  
 Print Book (31)  
 Thesis, Dissertation (3)

Video (46)  
 eVideo (46)

Journal, Magazine (9)  
 eJournal, eMagazine (9)

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1



**Blockchain**  
 Authors: [Matthieu Quiniou](#) (Author), [Safari, an O'Reilly Media Company](#).  
 eBook 2019, 1st edition.  
 Wiley-ISTE, 2019.

Summary: The dominance of trusted intermediaries could be weakened by **blockchain**, a distributed ledger technology, one of the functions of which is to constitute timestamped proofs by replacing inter-individual trust with algorithmic trust. **Blockchain** self-executing smart contracts allow us to rethink the practice in the domain of e-commerce, interbank communication,  
 Show More

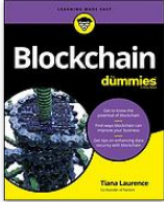
[View eBook](#)  Available  
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Worldwide Editions and Formats [View All \(2\)](#)

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2



**Blockchain for dummies**  
 Authors: [Tiana Laurence](#) (Author)  
 eBook 2017  
 [Place of publication not identified]: Wiley, [2017]

Summary: Find out what **Blockchain** is, how it works, and what it can do for you **Blockchain** is the technology behind Bitcoin, the revolutionary 'virtual currency' that's changing the way people do business. While Bitcoin has enjoyed some well-deserved hype, **Blockchain** may be Bitcoin's most vital legacy. **Blockchain For Dummies** is the ideal starting place for business pros looking to gain  
 Show More

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 Concordia University Library

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## LIBRARY DISCOVERY TOOL

- A search for a broad keyword such as *blockchain*
- Refine options include:
  - Format types (e.g. ebooks)
  - Publication years
- Shows results with Concordia full text access by default
  - Easily expand to other university libraries in Québec or Worldwide
  - Easily make requests for items from other university libraries

# **LIBRARY DATABASES**

**OVER 400 OF THEM ORGANIZED BY DISCIPLINE**

# Engineering Village™

**IEEE**  
*Xplore*®  
*Digital Library*

 **Clarivate**  
**Web of Science**™

 **SCIFINDER**<sup>n</sup>®  
A CAS SOLUTION

**Scopus**®

**Knovel**®

## LIBRARY DATABASES

- Content is usually more in-depth and specialized
- More options to search, expand, or refine
- Answer questions such as:
  - Where can I find journal articles on a specific aspect of a topic
  - How can I combine different elements/keywords in a search?

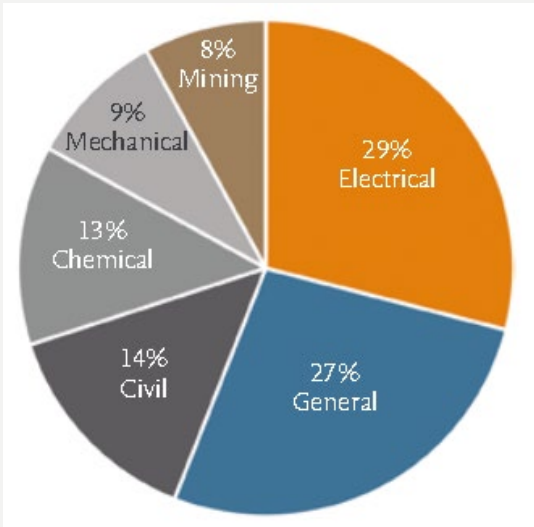


# ENGINEERING VILLAGE

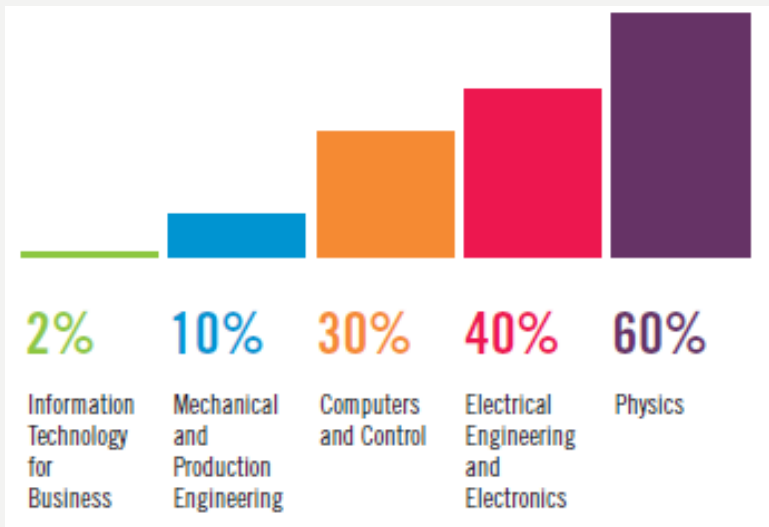
A CLOSER LOOK AT AN ENGINEERING DATABASE

# WHAT CONTENT IS INCLUDED?

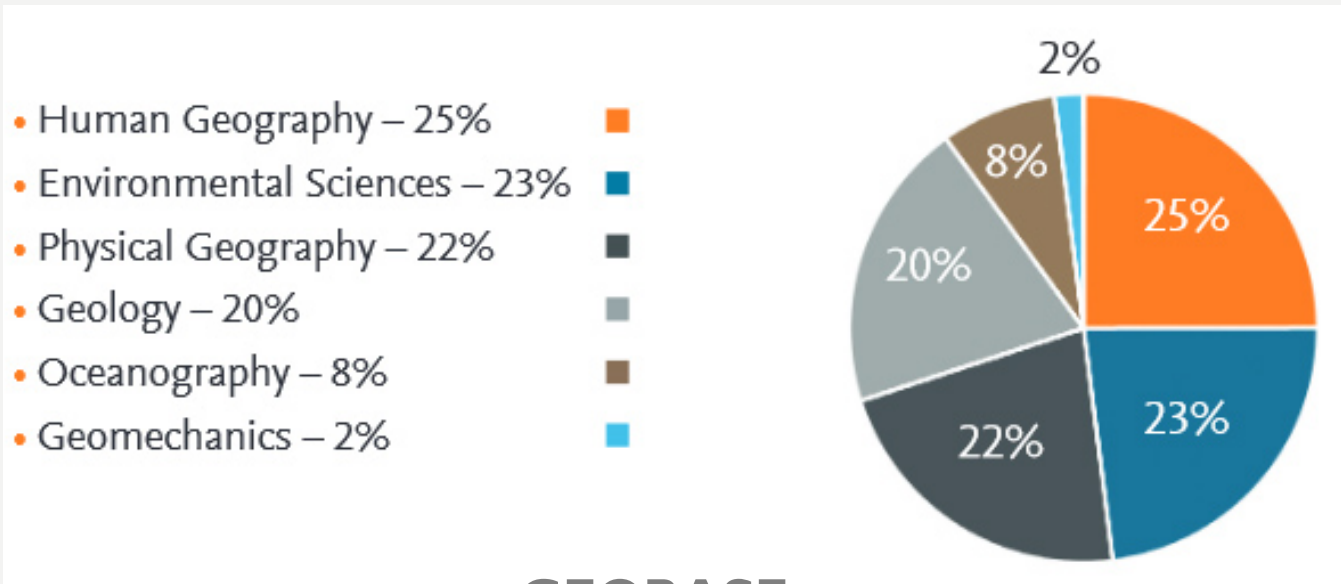
With a coverage of 1884 to the present, the three indexes **Compendex**, **Inspec**, and **GEOBASE** provide content in general engineering as well as more specialized engineering disciplines.



**Compendex**



**Inspec**



**GEOBASE**

## Document type



Filter results:



<input type="checkbox"/> Conference article	(395,204)	<input type="checkbox"/> Erratum	(329)
<input type="checkbox"/> Journal article	(290,757)	<input type="checkbox"/> Retracted	(218)
<input type="checkbox"/> Preprint	(129,714)	<input type="checkbox"/> Data Paper	(98)
<input type="checkbox"/> Conference proceeding	(11,442)	<input type="checkbox"/> Report review	(85)
<input type="checkbox"/> Article in Press	(6,696)	<input type="checkbox"/> Standard	(43)
<input type="checkbox"/> Book chapter	(5,173)	<input type="checkbox"/> Editorial	(38)
<input type="checkbox"/> Dissertation	(2,049)	<input type="checkbox"/> Patent	(4)
<input type="checkbox"/> Book	(566)	<input type="checkbox"/> Report chapter	(4)

View: 10 Max

Limit to

Exclude

## IS THE CONTENT PEER-REVIEWED?

- Journal articles are peer-reviewed
- Some conference articles/proceedings are peer-reviewed
- Recently, preprints have been included in the results in Compendex
- Preprints are NOT peer-reviewed, but are helpful in exploring the latest papers



## Thermal effects and anomalies in the low-temperature plasticity of crystals

Malygin, G.A. (A.F. Ioffe Physicotech. Inst., St. Petersburg, Russia) Source: *Physics of the Solid State*,

Database: Inspec

Document type: Journal article (JA)

Detailed Show preview ▾ Cited by in Scopus (2) [Full text ↗](#) [Find it @ Concordia](#)

“Full text” button, if one exists

“Find it @ Concordia” button to check the library’s other subscriptions. If not available, request it via **Interlibrary Loan**.

## HOW TO ACCESS FULL TEXT?

Full text may be readily available. If not, the “Find it @ Concordia” button can help check for full text availability in the library.

Contactless Book Pickup and Article/Chapter Scan & Deliver are available, see [Library services and resources during COVID-19](#).



INFO

### Distribution pattern of heavy metals in soils with respect to typical land uses in electron

Article, Chapter

Authors: Wen-Cheng Wu

Publication: Zhongguo Huanjing Kexue/China Environmental Science, Volume:38, Issue:7, Page(s):2632-2638

Published: 2018

ISSN: 1000-6923

Access full text via journal or collection links below. We were unable to find direct full text links for this item.

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## INTERLIBRARY LOAN

- If Concordia Library doesn't have it, use Interlibrary Loan
- Takes a few days or longer to process depending on the item



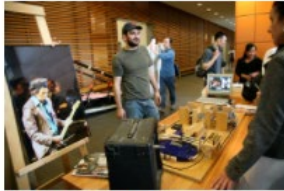
**A QUICK DEMO OF  
ENGINEERING  
VILLAGE**

## Help & how-to

### Subject & course guides



Business



Engineering & Computer Science



Fine Arts



Humanities



Sciences



Social Sciences



Interdisciplinary

## HELP & HOW-TO GUIDES

Subject guides are available for all schools, including one for Engineering and Computer Science.

General guides cover various topics from peer review articles to annotated bibliography.

### General guides



#### Finding

- › Articles (What's peer review?)
- › Books
- › Open Access journals
- › Primary sources
- › [More...](#)



#### Evaluating

- › Books
- › Articles
- › Media
- › Websites
- › [More...](#)



#### Writing

- › Annotated bibliographies
- › Literature reviews
- › Book reports
- › Research papers



#### Citing

- › [APA style](#)
- › [MLA style](#)
- › Chicago style
- › Zotero (formerly RefWorks)
- › [More...](#)



#### Using

- › Discovery Search
- › Find it! @ Concordia
- › [More...](#)

## Chloe Lei

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514-848-2424 ext. 7909

Feel free to contact me for an appointment in-person or online.

## SCHEDULE AN APPOINTMENT

I can help you with library resources and services, including but are not limited to:

- Locate specific items (e.g. books, articles)
- Navigate resources related to engineering and computer science
- Literature searching
- Citations and references
- Recommend new resources

## ASK A LIBRARIAN

Contact the library in-person, by email, chat, or phone.

Contact your subject librarian (that's me!)

## Today's opening hours

Webster Library: 24 hours  
Vanier Library: 24 hours  
Grey Nuns: Closed until October 2022

[Look ahead](#)



Ask a Librarian

Hi! What can I help you with today?

Chat now

No, thanks



**QUESTIONS?**

# SELF-REFLECTIVE QUESTIONS



<https://tinyurl.com/ycxxxf6r>