Hi!

My name is Mylène Pinard, I’m one of the liaison librarians here at the Mac Campus Library. Please note that I have laryngitis, so I will try my best to be clear when I talk, but I sound more like a croaking toad than a human at this point.

While we wait for everyone to arrive, please use your phone to go to this link:

http://tiny.cc/aebi120

And answer 3 very quick questions. Thanks!

PS. The slides for today are available at
http://libraryguides.mcgill.ca/aebi120
Schedule

Library Lecture:
- Monday, Sept. 16, 2019

Library Lab:
- Attend your regular Lab session this week in the Macdonald Campus Library eZone:
  - Monday, Sept. 16, 2:35 pm
  - Tuesday, Sept. 17, 1:35 pm
  - Tuesday, Sept. 17, 3:35 pm
  - Wednesday, Sept. 18, 1:35 pm
  - Wednesday, Sept. 18, 3:35 pm
  - Thursday, Sept. 19, 1:35 pm
  - Thursday, Sept. 19, 3:35 pm
  - Friday, Sept. 20, 12:35 pm

Library assignment:
- 2 weeks to complete
- No late assignments accepted
Outline

- Lab report
  - Find information
  - Evaluate information
  - Read journal articles
  - Cite your sources

- Library Lab
  - Practice
  - Assignment
General biology

When survey is active, respond at PollEv.com/mylenepinard874
Lab report sections

- Intro – literature review
- Materials and methods
- Results
- Discussion
- Conclusion
- Reference
Lab report sections

- Intro – literature review
  - Where you find the main goal of an article
  - Links to the research done previously on your topic
  - There is no “magic number” of sources
  - This will also be used for your discussion
    - So use info that will support, contradict or challenge your affirmations
You need background information for your introduction, which of the following will be helpful?

- Scholarly journal article
- Newspaper article
- Encyclopedia
- Book
Academic information sources

Reference Materials
- Encyclopedias
- Books
- Journal Articles

Synthesis
- Broad or in-depth perspective of a topic

General

Specific
- Specific point of view on a precise question
Example: Yeast

Yeast: Molecular and Cell Biology

Role of the glutathione/glutaredoxin and thioredoxin systems in yeast growth and response to stress conditions
Scholarly vs popular

**Authors**

Researchers and scholars

Journalists, freelance writers...

**Audience**

Students, researchers, professors

General public

**Purpose**

To present or share original research and experiments

To review previously published studies

To entertain, to inform, to persuade

**Language**

Formal, technical, and specialized

Everyday language

**References**

Footnotes, endnotes, bibliography

Few citations

Modified with permission from McMaster University Library
### Library Resources

<table>
<thead>
<tr>
<th>Use the Library</th>
<th>Find</th>
<th>Subject guides</th>
</tr>
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<tbody>
<tr>
<td>Library account</td>
<td>Databases A-Z</td>
<td>Agriculture &amp; environmental sciences</td>
</tr>
<tr>
<td>Article scan service</td>
<td>E-journals A-Z</td>
<td>Art, architecture &amp; urban planning</td>
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<tr>
<td>Interlibrary loan (ILL)</td>
<td>Course reserves</td>
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<tr>
<td>Questions? Ask Us!</td>
<td>Course guides</td>
<td>Engineering</td>
</tr>
<tr>
<td>Find a librarian</td>
<td>Citation guides</td>
<td>Health &amp; biological sciences</td>
</tr>
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<td>Hours</td>
<td>Reference materials</td>
<td>Humanities</td>
</tr>
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<td>Room booking</td>
<td>Theses &amp; dissertations</td>
<td>Law</td>
</tr>
<tr>
<td>Computers &amp; software</td>
<td>Newspapers</td>
<td>Management &amp; business</td>
</tr>
<tr>
<td>uPrint: scan, print, copy</td>
<td>Maps &amp; geospatial data</td>
<td>Music</td>
</tr>
<tr>
<td>Borrowing books, etc</td>
<td>Government information</td>
<td>Physical sciences</td>
</tr>
<tr>
<td>Workshops</td>
<td>Audio/visual materials</td>
<td>Social sciences</td>
</tr>
</tbody>
</table>

*McGill Library. Everything you need.*
Does this provide strong evidence about the conditions near the Fukushima Daiichi power plant?

Yes

No
How do you assess the quality of information you find?
## CRAAP test

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Currency</td>
<td>• When was the information published?</td>
</tr>
<tr>
<td></td>
<td>• Does your topic require current information, or will older sources work?</td>
</tr>
<tr>
<td>Relevance</td>
<td>• Does the information relate to your topic or answer your question?</td>
</tr>
<tr>
<td></td>
<td>• Who is the intended audience?</td>
</tr>
<tr>
<td>Accuracy</td>
<td>• Where does the information come from? Is it supported by evidence?</td>
</tr>
<tr>
<td></td>
<td>• Can you verify any of the information in another source?</td>
</tr>
<tr>
<td></td>
<td>• Are there spelling, grammar or typographical errors?</td>
</tr>
<tr>
<td>Authority</td>
<td>• Who is the author?</td>
</tr>
<tr>
<td></td>
<td>• What are the author's credentials?</td>
</tr>
<tr>
<td></td>
<td>• Is the author qualified to write on the topic?</td>
</tr>
<tr>
<td>Purpose</td>
<td>• What is the purpose of the information? Is it to inform, teach, sell,</td>
</tr>
<tr>
<td></td>
<td>entertain or persuade?</td>
</tr>
<tr>
<td></td>
<td>• Is the information fact, opinion or propaganda?</td>
</tr>
</tbody>
</table>

Bias is a particular tendency, trend, inclination, feeling, or opinion about someone or something.
Have you read a scholarly article before?

- Yes
- No

I glanced at one once, does that count?
# How to read a scientific article - sections

<table>
<thead>
<tr>
<th>Section</th>
<th>Placement or wording</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title</td>
<td>At the top of the article</td>
</tr>
<tr>
<td>Author(s)</td>
<td>Under the title or at the end of the article</td>
</tr>
<tr>
<td>Abstract (summary)</td>
<td>Beginning of the article</td>
</tr>
<tr>
<td>Introduction/Background (thesis/motivation)</td>
<td>“The purpose of this study is...” “The authors aim to investigate...”</td>
</tr>
<tr>
<td>Methods (how it was done)</td>
<td>“The authors used/collectioned/obtained”</td>
</tr>
<tr>
<td>Results (what was found)</td>
<td>Figure 1, Table 1, %, #s, etc.</td>
</tr>
<tr>
<td>Discussion/Interpretation/Conclusions (what it all means)</td>
<td>“It was found...” “The results of this study demonstrate...”</td>
</tr>
<tr>
<td>References</td>
<td>At the end of the article</td>
</tr>
</tbody>
</table>
What is plagiarism?

“'Plagiarism’ means the representation of another’s work, published or unpublished, as one’s own.”

Why cite your sources?

- To give credit where it’s due: to the person whose words or ideas you are using

- To allow your reader to find the original source of your information

- Gives credibility to your work

- Avoid plagiarism
Should I cite?

- If it is a quote: Cite it and place double quotation marks around the text.
- If it is not a quote, check if it is a paraphrase:
  - If it is a paraphrase: Cite it.
  - If it is not a paraphrase:
    - If it is another's idea or theory: Cite it.
    - If it is your own thought: There is no need to cite if it is common knowledge or your own thoughts.

Canada extends from the Pacific Ocean to the Atlantic Ocean. It covers 9,984,670 square kilometres (3,854,085 sq. mi.), 8.92% of which is water. Its population is 35,749,600 (2015 estimate).

http://www.mcgill.ca/students/srr/honest/students/test/plagiarism
Canada extends from the Pacific Ocean to the Atlantic Ocean. It covers 9,984,670 square kilometres (Statistics Canada, 2016), 9% of which is water (Environment Canada, 2009). Its population is 36,151,728 (Statistics Canada, 2016).
Citing your sources – how?

Council of Science Editors (CSE) style

- Citation-Sequence
- Citation-Name
- Name-Year

T11 S386 2006 Macdonald Campus - Reference

Online guide:
linked from NRS subject guide:
http://libraryguides.mcgill.ca/natural-resource-sciences/citation
number of species that are observed to inhabit islands in relation to their landmass has been a topic of investigation for several decades.

The islands of the Caribbean region reflect a mosaic of different geologic histories and exhibit a considerable variety of different landforms. Consequently, they provide locations for comparative studies to examine such associations. Bass (2003) discusses the biodiversity of aquatic invertebrates in this region. Species richness was generally related to area and island altitude, consistent with biogeographic theory. However, the ability or inability of certain groups of aquatic

In-text citations...

... correspond to full reference listing at the end of the paper

References cited


Brasher AMD. 2003. Impacts of human disturbances on biotic communi-

What to include in a reference

Book:
- Author name(s)
- Year of publication
- Title
- Publisher
- Place of publication

Magazine/article:
- Author name(s)
- Year of publication
- Article Title
- Journal Title
- Volume
- Issue
- Pages
What to include in a reference

Example (book)

Example (book chapter)

Example (article)
Elliott KJ, Vose JM, Knoepp JD, Clinton BD, Kloeppeel BD. 2015. Functional role of the herbaceous layer in eastern deciduous forest ecosystems. Ecosystems. 18(2): 221-236.
Citing Electronic Information

Must include

- Date the resource was accessed
- URL

**Example (electronic book)**

**Example (website)**
Outline

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  - Find information
  - Evaluate information
  - Read journal articles
  - Cite your sources

- Library Lab - Attend your regular Lab session in the Macdonald Campus Library eZone
  - Practice
  - Assignment
Any last-minute questions or comments?
Getting help

Ask me:

Mylene Pinard
mylene.pinard@mcgill.ca
514-398-7577
Macdonald Campus Library