Library Workshop for ASCI 351

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Photo: © 2015 Brittany App
Learning Outcomes

• Define literature review and explain its purpose.
• Employ strategies for reading and gathering information from scientific articles.
• Use PubMed to search for articles on topics related to the reproductive physiology of non-human animals.
Learning Outcomes (continued)

• Use Google Scholar to locate additional scientific articles on a topic.
• Incorporate knowledge from the scientific literature into your written assignments.
• Apply a specific format for citing sources (e.g., Biology of Reproduction).
Relationships Between Sources

Web of Science – key benefits

Cited References

Times Cited

Related Records

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Steps in the Process

Writing a literature review is a process

- **Topic:** Choose, explore, focus
- **Research & collect information**
- **Work with Brain:** Read articles, take notes, shape ideas
- **Keep track of citations** (Refworks, Zotero)
- **Write paper, revise, proof-read, include bibliography**

Image from NCSU Libraries - https://www.lib.ncsu.edu/tutorials/litreview/
So What’s Involved in Reviewing?

describe
summarize
compare & contrast
critically evaluate
analyze
organize
Making Sense of the Literature

Image from NCSU Libraries - https://www.lib.ncsu.edu/tutorials/litreview/
A Literature Review is Not An Annotated Bibliography!

Image from NCSU Libraries - https://www.lib.ncsu.edu/tutorials/litreview/
Determining Concepts

Image from NCSU Libraries - https://www.lib.ncsu.edu/tutorials/litreview/
Organizing the Literature

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Writing the Literature Review