

April 8, 2015

Disease Ecology

Announcements

- Quiz 8 now available
 - Due Sunday, April 12, 11:59 pm
- Volunteer Extra Credit Day: April 11th
 - Biology field research center
 - Sign-up on discussion board
- Exam 4: Monday, April 13th
 - Bring scantron, photo id, and **Calculator**
 - Review document on webcourses

Outline

- Information Fluency
- Effects of Diseases at the
 - Population level
 - Community level
 - Ecosystem level
- Disease ecology and Humans

Information Fluency (IF)

- “The ability to perform effectively in an information-rich and technology intensive environment
- Use information in ethical and legal ways

Know your sources

- Credibility
- Accuracy
 - o Relevancy to today's information and technology
- Original Source of information
 - o Increases credibility and its accuracy to your topic
- Bias
 - o Personal Bias or other
 - o A particular point of view that is trying to be pushed
- Personal Agendas
 - o Trying to prove own points

Information fluency

- Information comes from many sources
 - o Internet
 - o Books
 - o Magazines
 - o Journals
 - o Personal Communications

IF Scores

- Low (1-2): materials not reviewed, minimal content oversight
 - o Chat rooms, websites, Wikipedia, home published books
- Medium (3-4): materials that have moderate to excellent oversight
 - o Popular science publication, newspapersm websites with .edu,.gov or some .org extensions, books

- High (5): Materials extensively peer-reviewed
 - Scientific journals, text books

Peer reviewed scientific journals

- Peer review= research evaluated by experts in field
 - Accuracy of methods, data collection, data analysis, and conclusions
- Increases confidence in information

Critical Thinking Question #6

- Find 1 peer-reviewed journal article about effects of disease at the population, community, or ecosystem level
 - <http://library.ucf.edu>
 - <https://scholar.google.com>
- Review article for steps of scientific method
 - Answer 10 questions in instruction on Webcourses
- Due Sunday, April 19th by 11:59 pm
 - Submit electronically through webcourses
 - Worth 35 pts

Diseases

- Symbionts
 - Organisms live on or in another organism
- Parasites
 - Consumes body tissue or fluids of host organism
 - Host= organism with parasite
- Pathogens