

course outline

Topics of the public lectures

- · Origins of life
- · The limits of life/life on other planets
- The origin and extinction of species and human impact
- · Animal and human cognition
- · What is death
- · Technology and human life

course outline

Other things you will learn:

- · The tree of life
- · A short history of life on earth
- · What is science
- · Critical evaluation of scientific topics
- Writing a summary
- · What is a good presentation

ECOL195G

The Edges of Life

Anna Dornhaus

Office: BSW 235

Email: dornhaus@email.arizona.edu

Course webpage:

http://www.eebweb.arizona.edu/Faculty/Dornhaus/courses/ecol195g.html

Anna's research

Colony organisation



- Collective decisionmaking in ants
- Communication and pheromones in bumble bees
- Benefits of recruitment in honey bees
- Division of labor in ants and bees

Some admin stuff

Syllabus etc.

- · Check out the website
- http://www.eebweb.arizona.edu/faculty/dornhaus/courses/ecol195g.html
- You are required to attend the 6 public lectures (Wed 7pm Centennial Hall) (30% of grade)
- And write a max. 300 word summary of each (30% of grade)
- Speak up in class! (30% of grade)
- No class on March 5th, but still go to lecture!

Writing style

- Make sure to start in a way that explains what the topic is.
- Make sure to end with a sentence that summarises the main point and the relevance of it all.
- · Give details in the middle.
- Write 200-300 words (no more no less!!)



Writing style

- Ideally, each sentence should link with the sentence before.
- All sentences should be complete sentences.
- If someone only reads the first and last sentence of each paragraph, she should get the main message.

Writing style

- Read what you've written again at the end - does it make sense?
- Check for grammar and spelling
- Give it to someone else to read. Did they understand what the lecture was about?

Some admin stuff

Reading

- We will continue discussing these topics in class after the public lectures have finished.
- Please choose one book from the reading list! (let me know which)
- You will read a chapter of your book each week and present what you've learned to class from March 26.

A history of life on earth

A history of life on earth

- How old is the earth?
- How old is the oldest evidence of life?
- How long was it before complex, multicellular life appeared?

A history of life on earth

A history of life on earth

How old is the earth?

And how would you find out if you don't know?

 How long was it before complex, multicellular life appeared?

A history of life on earth

A history of life on earth

• How old is the earth?

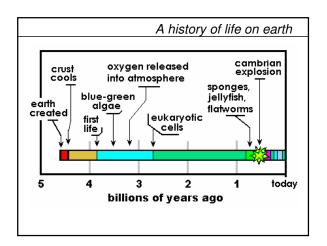
http://en.wikipedia.org/wiki/Age of the Earth

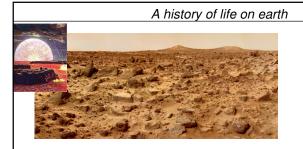
 How old is the oldest evidence of life?

http://en.wikipedia.org/wiki/Origin of life

 How long was it before complex, multicellular life appeared?

http://en.wikipedia.org/wiki/Timeline_of_life#Basic_timeline





The Hadean era

