Integrative Biology 102: Lecture Outline

Environmental Ethics ~~ Feeding a Hungry World

Lecture Objectives:

By the end of the lecture (and after some work with the text), you should be able to:

1. explain the process of scientific investigation.
2. explain why science is valued in our society.
3. give examples of the use of scientific knowledge to sway public opinion.
4. explain the connection between environmental science, environmentalism and environmental ethics.
5. list the areas of science knowledge necessary for understanding hunger in a world of plenty.

Readings: Ch. 2, Ch. 9.1

Terms:

* bias
* scientific consensus
* paradigm shifts
* ethics
* worldview
* ecofeminism
* LULU
* environmental racism
* toxic colonialism
* stewardship

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1. The scientific process

2. Value of science

3. Environmental movement and environmental ethics

ethics

worldview

moral value

stewardship

environmental justice

LULU

toxic colonialism

4. World Food Crisis: It is all about energy--how do we feed the people of the world

The ethics

Suffering, a result of the destruction of resources

Science and food production

For the next lecture on Energy Flows, Matter Cycles, read Ch. 3 and be ready to answer these questions in lecture:

* What is an ecological footprint?
* Where does the carbon cycle fit into that footprint?
* How do your eating habits affect the movement of matter on a global scale (biogeochemical cycles)?