

Today

- Syllabus
- Expectations
- The Nature of Science
- Ethics and Science

Ecology and Evolution Syllabus

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Office Hours

- M: 11-12
- W: 9-10
- TH: 10-11 & 5-6
- F: 10-11

Attendance
Required!

TEXTBOOK & Materials:

Evolution and Ecology of the Organism by
Rose and Mueller

Material in the text may be included on the exams
regardless of whether the instructor lectured over
the topic.!!

CPS e-instruction "clickers"

E-Instruction Response Pads

- Must Purchase
- Must Register
 - \$18 at bokstore
 - \$15 online
 - When asked Student ID use your ISO number
from student ID.
- First Quiz on Monday

ITEM	POINTS
Quizzes	200
Assignments	100
Exam 1	100
Exam 2	100
Exam 3	100
Exam 4	100
Exam 5	100
Final Exam (Comprehensive)	200
Total	800

EXAMS: The exams will be objective multiple choice exams. They will cover both materials presented in class and materials covered in assigned readings.

Student Photo ids must be provided on exam days

MAKE-UP EXAMS: Make-ups will be given ONLY if the student has a documented excuse.

Missing the exam for any other reason will result in a zero on that exam.

Make-ups will consist of detailed essay questions, and may have an oral component. No exceptions will be made.

Quizzes: A minimum of 14 quizzes will be given. Some will occur on the days indicated in the syllabus. Others will be “pop” quizzes.

These will be electronically administered.

Make-ups will not be allowed for quizzes, but the lowest three quiz grades will be dropped. Partial credit will be given being present to take the quiz.

CHEATING

Don't!!!

The Academic Integrity Policy as stated in PRP 3512 will be enforced in this class.

The instructor holds himself and his students to a high standard of integrity, and will advocate severe penalties for any student caught cheating.

EXPECTATIONS

The instructor assumes that the students enrolled in this class are:

Bright!

Capable of understanding complex subjects.

Eager and willing to learn.

Do not wish to be treated as if they were dumb and incapable of learning.

The instructor will not water down the course for those students who are unwilling and uninterested in working hard.

The instructor assumes that part of his duty is to train you to become a young professional.

A professional comes to work prepared.

A professional must successfully complete assignments on time and without complaint.

A professional does not call his boss the night before a big assignment is due and ask for extra time.

Professionals are occasionally assigned tasks they do not want, and may think they are not "good" at. The professional is still expected to complete those tasks.

Game Plan

- What is Science?
- Logic and Reasoning
 - Inductive logic
 - Deductive logic
 - Hypothetical-deductive reasoning
- Characteristics of science.

What is Science?

Many Answers:

1. A way of gaining knowledge.
2. The knowledge gained by scientists
3. What scientist do
- 4 One long argument

What do you know?

How do you know?

Science is a way of gaining knowledge

How do we know things?

Instinct?

Revealed Knowledge?

Authority?

Reasoning

Inductive reasoning

Deductive reasoning