Course objectives:

1. Provide a coherent and broad-based coverage of the fundamental principles governing living systems;
2. Train students to use experimentation, logical reasoning, and mathematics to extend these principles to new situations and applications;
3. Demonstrate to students that the application of these principles can lead to lifelong learning in science and to productive and informed life choices;
4. Demonstrate to students the ways in which science influences and is influenced by societies in both the past and present; and
5. Empower students to communicate effectively to others about scientific principles and their application to real-world problems.


Course Evaluation: The course be divided and taught in modules, based on two general content areas.

Module 1 deals with biological topics/concepts pertaining to cellular structure and function, DNA structure/technology, and fundamental principles of heredity and human genetics.

Module 2 covers topics pertaining to evolution, population growth and dynamics, ecosystem ecology, human impact on the environment, and animal behavior.

Six quizzes, each worth 20 points, will be given during each module, and the
lowest quiz score will be dropped. There will also be a comprehensive exam worth 100 points at the end of each module. You will need a scantron for each of the quizzes and the finals. Please write your name legibly on your scantrons, or your scores may not be properly entered.

Note that each student is responsible for their own paperwork. Pick up your quizzes and exams!

NO make-up quizzes or exams will be allowed without prior arrangement!

The University Writing Requirement will be satisfied by a 75 point paper produced during the course.

Further information will be given later in the semester.

Dr. John Hakanson
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Grades:
A = 92% of the total points possible
A- = 90-91%
B+ = 88-89%
B = 82-87%
B- = 80-81%
C+ = 78-79%
C = 72-77%
C- = 70-71%
D+ = 68-69%
D = 62-67%
D- = 60-61%
F = <60%