



Biology 1309.001

Biology for Non-Science Majors III

"Northeast Texas Community College exists to provide responsible, exemplary learning opportunities."

Stacie Yarbrough

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Office Hours

By Appointment

The information contained in this syllabus is subject to change without notice. Students are expected to be aware of any additional course policies presented by the instructor during the course.

Catalog Course Description (include prerequisites):

3 credit hours: A survey course designed to meet the needs of the non-science major.

This course will provide a survey of biological principles with an emphasis on humans, including evolution, ecology, plant and animal diversity, and physiology

Required Textbook(s):

Concepts of Biology, Open Stax ISBN: 10 193816811

Other Course Requirements:

Notebook along with pens/pencils for note taking during class. Tests must be taken with a #2 pencil.

Scantrons for exams

Student Learning Outcomes:

1. Apply scientific reasoning to investigate questions and utilize scientific tools such as microscopes and laboratory equipment to collect and analyze data.
2. Use critical thinking and scientific problem solving to make informed decisions in the laboratory.
3. Communicate effectively the results of scientific investigations.
4. Define modern evolutionary synthesis, natural selection, population genetics, micro and macroevolution, and speciation.
5. Describe phylogenetic relationships and classification schemes.
6. Identify the major phyla of life with an emphasis on plants and animals, including the basis for classification, structural and physiological adaptations, evolutionary history, and ecological significance.
7. Describe basic animal physiology and homeostasis as maintained by organ systems.
8. Compare different sexual and asexual life cycles noting their adaptive advantages.
9. Illustrate the relationship between major geologic change, extinctions, and evolutionary trends.

Lectures & Discussions:

Week 1: Evolution and its Processes
Week 2: Diversity of Life
Week 3: Exam 1(Ch. 11 and 12)
Week 4: Diversity of Microbes, Fungi and Protists
Week 5: Diversity of Plants
Week 6: Diversity of Animals
Week 7: Exam 2 (Ch. 13, Ch. 14 & 15)
Week 8: The Body's Systems
Week 9: The Immune System and Disease
Week 10: Animal Reproduction and Development
Week 11: Exam 3 (Ch. 16, 17 & 18)
Week 12: Population and Community Ecology
Week 13: Ecosystems and the Biosphere
Week 14: Conservation and Biodiversity
Week 15: Exam 4 (Ch. 19, 20 & 21)
Week 16: Final Exam

Evaluation/Grading Policy:

Evaluation is accomplished as follows:

Quizzes = 15%
Unit Exams = 60%
Final Exam = 25%

Grades will be awarded as follows:

89.5 - 100% = A
79.5 - 89.4% = B
69.5 - 79.4% = C
59.5 - 69.4% = D
Below 59.5% = F

Tests/Exams:

All exams include both objective (multiple choice, true-false, matching) and subjective questions over notes and text material and any additional outside reading that may be assigned.

Assignments:

Quizzes over lecture and exams over lecture and reading.

Student Responsibilities/Expectations:

Students are expected to attend regularly, participate fully and take personal responsibility for their learning by doing such things as taking lecture notes and studying outside of class time. I will be available by appointment if you have questions regarding the course or need help understanding something that we are learning.

The last day to drop the course with a grade of W is **Thursday, April 12**. If circumstances require you to withdraw from this course, you must do so by that date. It is the **student's responsibility** to initiate the withdrawal with the registrar's office. **Failure to officially withdraw will result in your receiving a grade of F.**

NTCC Academic Honesty Statement:

"Students are expected to complete course work in an honest manner, using their intellects and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. NTCC upholds the highest standards of academic integrity. This course will follow the NTCC Academic Honesty policy stated in the Student Handbook."

Academic Ethics

The college expects all students to engage in academic pursuits in a manner that is beyond reproach. Students are expected to maintain complete honesty and integrity in their academic pursuit. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. Such disciplinary action can include a grade of "F" for the assignment or a grade of "F" as a final grade for the course. Refer to the student handbook for more information on this subject.

ADA Statement:

It is the policy of NTCC to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to arrange an appointment with a College counselor to obtain a Request for Accommodations form. For more information, please refer to the NTCC Catalog or Student Handbook.

Family Educational Rights And Privacy Act (FERPA):

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.