SYLLABUS

CLARENDON COLLEGE
Division of Science and Health
Course Name: *BIOL 1407 General Biology II*

Credit Hours: *4*

Semester: *Spring 2011*
Classroom Location: *Clarendon High School Building room 103*

Instructor: *David D. Lowrie*

Phone: 806-874-3488

Email: *lowrie.david@clarendonisd.net*

Course Description:
A continuation of Biol. 1406. Concepts considered include cytology, principles of molecular biology, ecology, taxonomy, genetics, evolution, and diversity of animal life. Life histories are also included. Laboratory work reinforces lecture material.

Statement of Purpose
This course partially satisfies the laboratory science component of the core curriculum and is designed for transfer to a senior college or university.

Required Instructional Materials:
Biology Life On Earth 8th Edition by Audesirk, Audesirk, & Byers.
Class lectures will not be based on the book chapters, and not all of the material in the text will be covered in class. Further, supplemental material may be presented that is not in the book, and thus it is essential that you attend the class regularly.

Other Relevant Materials:
Writing paper, pens, pencils, and text when appropriate.

Student Requirements
To be successful in this course there must be undivided attention given to lecture and lab instruction and content.

Methods of Instruction
Lecture, PowerPoint, demonstrations, readings, Internet, etc.

Course Objectives
Upon successful completion of General Biology 2, the student should be able to…

- Discuss the disciplines and fundamentals of biology.
- Describe the intricate process of living organisms.
- Demonstrate an understanding of the complexity of DNA & RNA and their role in cellular reproduction and protein synthesis respectively.
- Demonstrate an understanding of genetics and heredity.

- Demonstrate an understanding of evolutionary processes.
- Demonstrate an awareness of the dynamic nature of plant and animal communities.
- Demonstrate an understanding of and appreciation for species diversity.

Grading Policies:

The final semester grades will be figured as set in the current catalog:

90 to 100 = A 80 to 89 = B 70 to 79 = C 60 to 69 = D Below 59 = F

Final semester course grades will be comprised of the follow:
Lecture: three fourths of course grade calculated as follows:
Weekly quizzes – 80%
Class participation – 20%
Lab: one fourth of course grade calculated as follows:
Lab reports – 70%
Participation – 30%

Classroom Policies:

Classroom Conduct
Failure to comply with lawful direction of a classroom instructor is a disruption for all students enrolled in the class. Cheating violations include, but are not limited to: (1) obtaining an examination, classroom activity, or laboratory exercise by stealing or collusion; (2) discovering the content of an examination , classroom activity, laboratory exercise, or homework assignment before it is given; (3) using an unauthorized source of information during an examination , classroom activity, laboratory exercise, or homework assignment ; (4) entering an office or building to obtain unfair advantage; (5) taking an examination for another person; (6) completing a classroom activity, laboratory exercise, homework assignment, or research paper for another person; (7) altering grade records; (8) using any unauthorized form of electronic communication device during an examination, classroom activity, or laboratory exercise; (9) Plagiarism. Plagiarism is the using, stating, offering, or reporting as one's own, an idea, expression, or production of another person without proper credit.

Disciplinary actions for cheating in a course are at the discretion of the individual instructor. The instructor of that course will file a report with the Dean of Students when a student is caught cheating in the course. The report shall include the course, instructor, student's name, and the type of cheating involved. Students who are reported as cheating to the Dean of Students more than once shall be disciplined by the Dean. The Dean will notify all involved parties within fourteen days of any action taken.

American with Disabilities Act Statement:
Clarendon College provides reasonable accommodations for persons with temporary or permanent disabilities. Should you require special accommodations, notify the Office of Student Services (806-874-3571 or 800-687- 9737). We will work with you to make whatever accommodations we need to make.

Dropping a Course:
A student who is enrolled in a developmental course for TSI purposes may not drop his/her only developmental course unless the student completely withdraws from the college. A student may drop any other course with a grade of "W" any time after the census date for the semester and on or before the end of the 12th week of a long semester, or on or before the last ay to drop a class of a term as designated in the college calendar. The request for permission to drop a course is initiated by the student by procuring a drop form from the Office of Student Services. (Refer to other policies concerning this issue in the current college catalog online.)

Withdrawal from College:
If a student finds it necessary to withdraw from school before the end of the semester, he or she should obtain a withdrawal form from the Office of Student Services. Students may also withdraw from the college by sending a written request for such action to the Registrar's Office. The request must include the student's

signature, the student's current address, social security number and course information details. Students who withdraw after the census date for the semester and on or before the end of the 12th week of a long semester, or on or before the last day to drop a class of a term as designated in the college calendar will be assigned a grade of "W."

Tentative Course Schedule/Outline:

- Terminology employed in the study of animal life.
- Survey of the intermediate and higher plant and animal life.
- System-by-system study of animal anatomy and physiology using the human as a type.
- Population biology and ecology.
- Ecosystem structure and function.
- Diversity of world ecosystems, as time permits

Final exam on date/time as posted on Final Exam Schedule on Clarendon College website