



**Syllabus:** Concepts of Biology II Lab

**Course Number:** BIOL 1109

**Semester & Year:**

**Instructor Information**

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Office Hours:

**Textbook Information**

We will be using the Inquiry into Life laboratory manual by Sylvia Mader (14<sup>th</sup> edition). It can be purchased from the TC Bookstore. ISBN: 978-0-07-751624-6.

**Student Learning Outcomes for the Course**

Upon successful completion of this course, students will:

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.

**Student Requirements for Completion of the Course and Due Dates**

**\*Dates are subject to change\***

Weeks	Units Covered	Quizzes and Exams
Week 1	Evolution	
Week 2	Evolution and Phylogeny	Quiz 1
Week 3	Microbiology	
Week 4	Microbiology	Quiz 2
Week 5	Microbiology	Exam 1
Week 6	Plants	
Week 7	Plants	Quiz 3

Spring Break	No classes	
Week 8	Animals	
Week 9	Animals	Exam 2
Week 10	Body Systems	
Week 11	Body Systems	Quiz 4
Week 12	Body Systems, Immunity	Exam 3
Week 13	Animal Reproduction, Dev.	
Week 14	Ecology	Quiz 5
Week 15	Ecology	Exam 4
Week 16	Finals Week	

**Note:** This outline is subject to change for reasons of course interest, time constraint, or instructor decision. The exams will be administered on the dates given, unless material relevant for a given exam has not been covered. Under such cases, an exam may be moved a class period or two to aid in the clarity and understanding of the material.

### Student Assessment

Students will be evaluated on a combination of lecture examinations, quizzes, articles and other class assignments, and a comprehensive final examination.

**This course is worth a combined total of 600 points.** All lecture tests may include multiple choice, essay, short answer, and labeling questions.

**The point breakdown is as follows:**

Lab write-ups, worksheets	<b>50 points</b>
Lab quizzes (20 points each)	<b>100 points</b>
Exam 1	<b>100 points</b>
Exam 2	<b>100 points</b>
Exam 3	<b>100 points</b>
Exam 4	<b>100 points</b>
Participation (attendance, discussion, etc.)	<b><u>50 points</u></b>
	<b>600 points</b>

Grade	
A	90-100
B	80-89
C	70-79
D	60-69
F	59-below

**Each absence is worth 3 points off on your participation grade in the course.**

**Power Point slides, out of class assignments, and study guides will all be available on <https://tconline.texarkanacollege.edu/> If you have problems accessing the materials, please let me know.**

### Attendance Policy

Roll will be taken during each class. It is recommended that students contact the instructor if missing a class is necessary. A student with four absences may be dropped from the class for lack of attendance. If an enrolled student stops attending class and chooses to receive an F, the last date they attended will be listed on the final grade sheet and they will most likely have to pay back money received from grants or scholarships. If a student leaves and returns during class or leaves the class before the class is over, he/she **may** be considered absent. Three tardies constitute one absence.

**Excused Absences:** A student’s absence due to school trips and/or school business will not be counted against a student’s allowable number of absences. Military duty and absences for Holy Days (FBD LEGAL) are covered in a separate section of the catalog and the student handbook. These are the only excused absences that are considered by Texarkana College. Responsibility for work missed for any absence is placed on the student. Instructors are required to allow students to make up work missed if the absence is due to military duty or religious holy days when students follow the correct notification procedures. Instructors are not required to allow students to make up work for absences due to other reasons.

**MAXIMUM ALLOWABLE ABSENCES**

After official registration, the following number of unexcused absences will be the maximum allowable before a student **may** be dropped from the class. Mandated program certification requirements detailed for certain programs regarding the maximum allowable unexcused absences takes precedence over the following information.

**Academic Classes**

A COURSE THAT MEETS FOR THE FULL 16 WEEK SEMESTER	
Class or Lab Meets:	An instructor <b>may</b> withdraw a student from a course if absences exceed:
Once a week (Night classes or Friday classes)	2
Twice a week (MW or TR classes)	4
Three times a week (MWF or TRF classes)	6
Four times a week (MTWR classes)	8
	Three tardies count as one absence

**Make-up Policy**

Make-up exams should not be required. One make-up exam for full credit will be given. If another make-up exam must be administered to the same student, it will be worth 75% of the actual score on the exam. Make-up exams may differ in format from the original test. All make-up exams will be recorded as a zero until they are made up. This policy will also apply for in-class quizzes. Assignments that have a specific due date will have points deducted if they are late. Make-up assignments must be arranged during office hours or taken in the testing center on campus.

**Class Behavior**

There will be a zero tolerance policy for any behavior that is disruptive and prevents or deters classroom learning. This behavior includes, but is not limited to, any use of vulgar language or rude behavior towards the instructor or any other student in the class. Violation could result in being asked to leave the class, withdrawal from the course, and/or investigation by the Dean of Students.

### **Cell Phone Policy**

All cell phones will be turned off and kept out of sight in class. If any phones are out while testing, I will assume you are cheating. There will be no talking on phones or texting while lecture and discussion is taking place. If you cannot abide by this policy, you will be asked to leave.

### **Academic Integrity Statement**

Scholastic dishonesty, involving but not limited to cheating on a test, plagiarism, collusion, or falsification of records will make the student liable for disciplinary action after being investigated by the Dean of Students. Proven violations of this nature will result in the student being dropped from the class with an "F".

This policy applies campus wide, including TC Testing Center, as well as off-campus classroom or lab sites, including dual credit campuses. This information can be found in the Student Handbook at <https://texarkanacollege.edu>.

### **Student Responsibilities**

It is the student's responsibility to know and comply with the instructor's policy and to contact the instructor to make up missed work.

### **Disability Act Statement:**

Texarkana College complies with all provisions of the Americans with Disabilities Act and makes reasonable accommodations upon request. Please contact Larry Andrews at (903) 823-3450 ext. 3349, or go by the Recruitment, Advisement, and Retention Department located in the Administration building for personal assistance.

If you have an accommodation letter from their office indicating that you have a disability which requires academic accommodations, please present it to me so we can discuss the accommodations that you might need for this class. *It is best to request these changes at the beginning if not before the start of class* so there is ample time to make the accommodations.

### **Financial Aid**

**Attention!** Dropping this class may affect your funding in a negative way! You could owe money to the college and/or federal government. Please check with the Financial Aid office before making a decision.

### **Disclaimer**

The above syllabus, policies, schedule, and assignments in this course are subject to change in the event of extenuating circumstances or by mutual agreement between the instructor and the students.