**Syllabus:** Concepts of Biology I for *Non- Science Majors* - **LABORATORY**  
**Course Number:** **BIOL 1108.DC**   
**Semester & Year:**

**Instructor Information**

Name: Mark Storey   
 Office: Biology Building Rm. #29  
 Telephone: 903-823-3298  
 **E-mail:** [**Mark.Storey@texarkanacollege.edu**](mailto:Mark.Storey@texarkanacollege.edu)

Office Hours: (Please email for an appointment)

**Textbook Information**

**Lab Kit** [www.esciencelabs.com](http://www.esciencelabs.com) **KIT # 1341** This kit will be used by the high school classroom teacher to demonstrate lab concepts to students along with materials in the classroom.

**Student Learning Outcomes for the Course**

*At the conclusion of the* ***laboratory portion*** *of this course students should be able to:*

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. Distinguish between prokaryotic, eukaryotic, plant and animal cells, and identify major cell structures.

5. Identify stages of the cell cycle, mitosis (plant and animal), and meiosis.

6. Interpret results from cell physiology experiments involving movement across membranes, enzymes, photosynthesis, and cellular respiration.

7. Apply genetic principles to predict the outcome of genetic crosses and statistically analyze results.

8. Identify the importance of karyotypes, pedigrees, and biotechnology.

9. Identify parts of a DNA molecule, and describe replication, transcription, and translation.

10. Analyze evidence for evolution and natural selection.

**IMPORTANT**: Be sure to look at your posted grades and attendance record on myTC. If you see any issues there please bring them to my attention ASAP. Be sure to save my reply emails to your email submissions and copies of all correspondence as proof of completing your work if any questions arise later in the semester.

*CAREFUL!! Remember, failure to turn in an assignment (lab evidence photos) each week will result in an absence in the lab course and you only can accrue a maximum of 2 absences.* ***You may be dropped*** *from the course (W) when you are absent for the third time.*

**Student Requirements for Completion of the Course**

**Laboratory Topics/ Exams - Biology 1108.HYB**

**The lab units will be completed per the schedule on the BIOL 1108 Laboratory page on TC Online Course LMS (Moodle)**

**The course grade will be calculated from the following schedule:**

|  |  |
| --- | --- |
| **Lab Unit Quizzes**  **(Admin by the high school teacher)** | **100%** |
| **Total** | **100%** |

**College Grading Scale**

|  |  |
| --- | --- |
| **Semester Grade** | **Course Average** |
| **A** | 89.5-100 |
| **B** | 79.5-89.4 |
| **C** | 69.5-79.4 |
| **D** | 59.5-69.4 |
| **F** | 59.4-below |

**Make-up Policy**

**All Lab work in this course is due when assigned. Any late work may be accepted but is at the sole discretion of the high school teacher.**

**ABSENTEE POLICY**

**Absences in this course will follow the local high school policy.**

**WARNING: If you exceed the maximum number of absences for this course you may be dropped (W) from the course.**

If circumstances develop (e.g. extended illness, moving from the city, etc.) which necessitates your withdrawal from this or any other course be sure to let me know AND officially withdraw in the Director of Admissions office located in the C. M. Nelson Administration building. The date each semester is posted on the inside page of the current Texarkana College Catalog / Website under "Academic Calendar". A grade of W is recorded on your permanent transcript*if**you withdraw before the official deadline*.

**Class Conduct**

**There will be a zero tolerance policy for any behavior that is disruptive of classroom learning.  This includes ANY use of vulgar language or rude behavior toward instructor or any other student in the class via email / phone or online via MS Teams.** Any student who acts in such a manner as to disturb the class and interfere with the learning process will be expelled from the course with a grade of "F".

**Any student that has a cell phone or any electronic communications device in their possession during any quiz or examination will receive a zero (0) for the quiz or examination!**

**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>.

**Disability Act Statement:**

Texarkana College complies with all provisions of the Americans with Disabilities Act and makes reasonable accommodations upon request. Please contact Prof. Tonja Blaise at 903.823.3283, 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..

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| --- |
| **Alternate Operations during Campus Closure**  In the event of an emergency or announced campus closure due to a natural disaster or pandemic, Texarkana College may need to move to altered operations and course delivery methods. During this time, Texarkana College may opt to continue delivery of instruction through methods that include, but are not limited to: online learning management system (Jenzabar or Moodle), online conferencing through TEAMS, email messaging, and/or an alternate schedule.  It is the responsibility of the student to monitor Texarkana College's website ([www.texarkanacollege.edu](http://www.texarkanacollege.edu)) for instructions about continuing courses remotely, instructor email notifications on the method of delivery and course-specific communication, and Texarkana College email notifications for important general information.  **COVID-19 Online/Virtual Environment Instructional Commitment**  The ongoing Covid-19 situation will require that some course materials and instruction are provided through an online and/or virtual format. Even if all or a portion of a class was originally scheduled to meet face to face, social distancing guidelines associated with Covid-19 will limit the number of students who are able to attend face to face classes in person simultaneously. Further, circumstances associated with Covid-19 could cause the college to be forced to shift completely to an online and/or virtual delivery at any time during the semester. While TC faculty members are committed to providing students the option of face to face instruction if possible, students should be prepared to continue their classes in an online and/or virtual environment if necessary. Texarkana College is committed to maintaining engaging, high quality instruction regardless of the delivery format. |

**Course Schedule See Lab Assignments on the moodle page**

**I reserve the right to modify the syllabus at any time during the semester. The online version of this syllabus (*TC Online CMS*) is the official syllabus and supersedes all versions of this document in print.**