**Syllabus:** Biology II for Science Majors **LECTURE**  
**Course Number:** **BIOL 1307.TRA**   
**Semester & Year:** SPRING 2023

**Instructor Information**

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

Office Hours: *by appointment*

**Textbook Information**

Required: recommend you ***download for FREE***!

* **Biology 1ed. OpenStax** Rice Univ. [Free Download](https://openstaxcollege.org/textbooks/biology)

***Strongly Recommended*** *purchase online at Amazon or similar:*

* *Principles of Life. Hillis, Sadava, Heller and Price 1st ed. Sinauer Assoc Inc and W.H. Freeman and Co.* **ISBN 978-1-4292-5721-3**

**Course Communication**

Official communication is through TC student email.

***Remind Text Service*** – Students are **required** to register for the REMIND text service and maintain an active status account for the entire semester (Free to use). See handout for instructions on how to sign up.

**TC Computer Requirement Policy:**

Students are required to have a computer with Internet access for classes. The computer must be an actual computer – smart phones, Androids, etc., are **not** acceptable substitutes because they lack software compatibility necessary to complete all assignments and tests. Financial costs for the necessary equipment and internet access are the responsibility of the student.

Students needing to purchase a computer may do so through the Texarkana College Bookstore. Systems purchased through the bookstore meet or exceed all requirements, are competitively priced, and may be purchased using financial aid funds. If the system is purchased through another source, it is the student’s responsibility to ensure the system meets all requirements.

Computer systems requirements:

* Webcam, microphone, and speakers or headphones
* Windows 10 or a recent version of Mac OS (minimum Sierra). Windows 10 S mode is not supported
* Hardware capable of running Microsoft Teams (free download) and supports multi-media playback
* Support for Chrome or Microsoft Edge – Note: Firefox, Safari, or other browsers may not work on all TC applications
* Able to run Microsoft Office which will be provided free to TC students
* Adobe Reader or another PDF viewer
* Antivirus software such as Windows Defender or another 3rd party anti-virus solution
* The Respondus Lockdown browser is used for taking tests; therefore, the system must be capable of running this software. Most newer systems that meet other specifications should work.

Students should regularly backup content to prevent loss of coursework due to hardware failure. Backup copies of documents and other coursework may be placed on OneDrive cloud storage. OneDrive is included free of charge for all TC students.

A list of Internet service providers can be found on the TC website at: <https://www.texarkanacollege.edu/coronavirus/>.

**Student Learning Outcomes for the Course**

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| *At the conclusion of the* ***lecture portion*** *of this course students should be able to:*   1. Describe modern evolutionary synthesis, natural selection, population genetics, micro and macroevolution, and speciation. 2. Describe phylogenetic relationships and classification schemes. 3. 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. 4. Describe basic animal physiology and homeostasis as maintained by organ systems. 5. Compare different sexual and asexual life cycles noting their adaptive advantages. 6. Illustrate the relationship between major geologic change, extinctions, and evolutionary trends. 7. Demonstrate an understanding of genomic organization and molecular genetics including recombinant DNA biotechnology, differential gene expression and development. |

**Student Requirements for Completion of the Course**

**Lecture Topics/ Exams - Biology 1307**

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| **Principles of Biology** 1ed. (**Recommended Text**) | **Biology 1ed.** OpenStax (Required FREE Text) |
| **UNIT 1**  Chapter 13: Biotechnology | Chapter 17 Biotechnology and Genomics |
| Chapter 14: Genes Development and Evolution | Chapter 18 Evolution and the Origin of Species |
| **EXAM I (Chps: 13, 14,)** |  |
| **UNIT 2**  Chapter 15: Mechanisms of Evolution | Chapter 19 The Evolution of Populations |
| Chapter 17: Speciation | Chapter 19 The Evolution of Populations |
| Chapter 18: The History of Life on Earth | Chapter 20 Phylogenies and the History of Life |
| **EXAM II (Chps: 15, 17, & 18)** |  |
| **UNIT 3**  Chapter 20: The Origin and Diversification of Eukaryotes | Chapter 23 Protists |
| Chapter 21: The Evolution of Plants | Chapter 25 Seedless Plants  Chapter 26 Seed Plants |
| Chapter 22: The Evolution and Diversity of Fungi | Chapter 24 Fungi |
| **EXAM III (Chps: 20, 21 & 22)** |  |
| **UNIT 4**  Chapter 23: Animal Origins and Diversity  Chapter 42: Organisms in their Environment | Chapter 27 Introduction to Animal Diversity  Chapter 28 Invetebrates  Chapter 29 Vertebrates  Chapter 41 Ecology and the Biosphere |
| **EXAM IV ( Chps: 23 & 42)** |  |
| **FINAL EXAM** (Comprehensive) Emphasis on Student Learning Guide Questions (all chapters covered during the course) including all homework quiz questions for all chapters and selected essay questions from Exams I, II, III and IV. | |

**Student Assessment (EXAMS)**

There are total of five (5) major exams in this course. Four (4) lecture exams will be given over four units. A comprehensive Final Exam will be taken in the classroom at the end of the term. The examination format will include multiple choice and matching short answer items as well as written essay items. Exams will be administered a minimum of one (1) week after being announced. Please inform the instructor ASAP if you know you will miss a lecture exam on the scheduled date and make arrangements to take the exam in advance**. The lecture unit exams and the FINAL EXAM will be conducted via the TC Testing Center on campus outside of scheduled class time.**

I understand no outside materials or devices (paper, study materials, phone) are allowed to be used on the lecture exams.

**I understand that there are no makeup exams available for these exams.**

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

**When taking an exam in the TC Testing Center you are subject to the rules policy for the testing center and if you violate those rules the consequences are stated in the testing center policies.**

**Bonus Credit Questions / TEAMS Lecture Session Participation Score**: During each required lecture class session each student will answer questions via confetti paper. You will receive a “bonus credit” for each question answered correctly. These bonus credits will be converted into **bonus points** to be awarded to each student’s individual major unit lecture exam score based on a conversion taking into account the performance of the entire class on the exam. Your responses to these questions will also be used to determine participation grade for each class session. **Late responses/makeups will not be accepted.**

**The course grade is available on myTC on the student tab and will be calculated from the following schedule:**

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| **Lecture Exams (4)** | **60%** |
| **Final Exam** | **20%** |
| **Online Weekly Quizzes** | **10%** |
| **Lecture Session Participation** | **10%** |
| **Total** | **100%** |

**Grading Scale**

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| **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 |

**Class Schedule** See above (*Lecture Topics/ Exams - Biology 1307)*

**EXAM I (4th week of semester)**  
**EXAM II (8th week of semester)**

**EXAM III (12th week of semester)**

**EXAM IV (15th week of semester)**

**Absentee Policy***(TC Official Policy)*

*Texarkana College’s absentee policy allows instructors to withdraw a student from a course due to excessive absences. 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. Check the syllabus for each class to see how much time you are allowed to be late before the tardy is counted as an absence.* **(A maximum of 10 minutes after class has begun)**

*Do no stop attending a class without formally withdrawing from the course by the institution’s published Last Day to Drop. If a student does not attend class and does not withdraw from the class, the student will receive a grade of F in the class. The published Last Day to Drop applies to students; an instructor may withdraw a student for excessive absences at any time during the semester.*

*Withdrawal from a course(s) may affect a student’s current or future financial aid eligibility. Students should consult the Financial Aid Office to learn both short and long term consequences of a withdrawal.*

As an adult learner, you must assume responsibility for attending lecture classes. It is to your benefit to be present at each class session (or view the recorded lecture sessions).

**The maximum number of absences in a traditional format class is two (4) per semester.** The only excused absences are for officially recognized TC student club activities or for Texarkana College official business. **Please Note: Illness and doctor appointments do not qualify as an excused absence.**

**WARNING: If you exceed the maximum number of absences for this course you may be dropped (W) from the course. (on the 5th absence)**

**You can view your attendance record on the *myTC* portal under the student tab.**

**Official attendance will be recorded throughout the semester.**

If situations make it necessary for missing class you are still responsible for all the work you missed during class. If you miss class, you should let me know ASAP (by TC student e-mail) and in advance if possible.

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*.

**Make-up Policy**

**Lecture Exams:**

Any portion of an exam **cannot** be made up, as this portion of exam was made available for an extended period of time (normally one (1) week).

**Written assignments** in lecture must be submitted before the deadline posted/announced. **Late work is not accepted.**

**Class Conduct**

Students are expected to conduct themselves as adults. 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".

**All electronic devices** (e.g. audio recorders, laptop/tablet computers etc.) brought into class must be cleared by the instructor for use for **each** class session.

**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.

**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..

**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.

# Course Continuity Plan

In the case that the college officially closes because of an emergency (inclement weather, viral pandemic etc. ☹) which causes a disruption of this course, we will use the TC Moodle LMS (“TC Online”) and TC student e-mail and the REMIND SMS text message service to continue this course. All students need to use their campus e-mail to receive course related information. **Students should check their TC email multiple times per day. The** [**TC Service Desk**](https://www.texarkanacollege.edu/helpdesk/) **has instructions on how to setup your smart phone to receive TC student email on your device** [**here**](https://www.texarkanacollege.edu/helpdesk/)**.**

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| **Basic Needs Security**  Any student who has difficulty affording groceries or accessing enough food to eat every day,  or who lacks a safe and stable place to live and believes this may affect their performance in this course  or ability to remain in school, is urged to contact Tonja Blaise, Director of Student Retention,  at 903-823-3349 for support. Furthermore, please notify the professor if you are comfortable in doing so.  This will enable the professor to provide any resources to help you than they may possess.  **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.  **I reserve the right to modify the syllabus at any time during the semester.**  **The online version of this syllabus (*TC Online LMS*) is the official syllabus and supersedes**  **all versions of this document in print.** |  |