**Syllabus:** Biology II for Science Majors **LECTURE**  
**Course Number:** **BIOL 1307**   
**Semester & Year:** SPRING 2022

**Instructor Information**

Name: Prof. Mark Storey   
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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 (Free to use). See handout for instructions on how to sign up.

**Every student must complete an Enrollment Verification activity within the first week of class or the professor may drop a student for not having attended.**

**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/>.

***LockDown Browser + Webcam* Requirement**

**This course requires the use of *LockDown Browser and a webcam* for online exams**. The webcam can be the type that's built into your computer or one that plugs in with a USB cable.

You must use a Mac or Windows computer or iPad device. **Mobile smart phones are NOT supported. This is a course requirement (not optional).**

Watch this brief video to get a basic understanding of LockDown Browser and the webcam feature.

<https://www.respondus.com/products/lockdown-browser/student-movie.shtml>

**Download Instructions**

* Select the quiz in the course
* You will see the message "This quiz has been configured so that students may only attempt it using the Respondus LockDown Browser."
* Below this will appear a "Download LockDown Browser" link. Click the button to go to the download page and then follow the instructions
* Download Respondus LockDown Browser to your computer; follow the installation instructions
* Return to the Quiz page in Moodle (it may still be open in another tab)
* Select "Launch LockDown Browser"
* The quiz will now start

Note: LockDown Browser only needs to be installed once to a computer or device. It will start automatically from that point forward when a quiz requires it.

**Guidelines**  
When taking an online quiz, follow these guidelines:

* Ensure you're in a location where you won't be interrupted
* Turn off all other devices (e.g. tablets, phones, second computers) and place them outside of your reach
* Before starting the test, know how much time is available for it, and also that you've allotted sufficient time to complete it
* Clear your desk or workspace of all external materials not permitted - books, papers, other devices
* Remain at your computer for the duration of the test
* If the computer, Wi-Fi, or location is different than what was used previously with the "Webcam Check" and "System & Network Check" in LockDown Browser, **run the checks again** prior to the exam
* To produce a good webcam video, do the following:
  + Wear clothing!
  + **Avoid wearing baseball caps or hats with brims**
  + Ensure your computer or device is on a firm surface (a desk or table). **Do NOT** have the computer on your lap, a bed, or other surface where the device (or you) are likely to move
  + If using a built-in webcam, avoid readjusting the tilt of the screen after the webcam setup is complete
  + Take the exam in a **well-lit room**, but avoid backlighting (such as sitting with your back to a window)
* **Your entire face must be visible throughout the exam session and your audio mut be turned on (not muted) or you will receive a zero on the exam.**
* Remember that LockDown Browser will prevent you from accessing other websites or applications; you will be unable to exit the test until all questions are completed and submitted

**Getting Help**  
Several resources are available if you encounter problems with LockDown Browser:

* The Windows and Mac versions of LockDown Browser have a "Help Center" button located on the toolbar. Use the "System & Network Check" to troubleshoot issues. If an exam requires you to use a webcam, also run the "Webcam Check" from this area
* The TC help desks want you to run the "System & Network Check" and the "Webcam Check" before you contact them and be sure to forward the results of these checks at the time of opening a ticket. Contact the TC Help Desk at **903 -823-3030** or at <https://www.texarkanacollege.edu/helpdesk/> .
* Respondus has a Knowledge Base available from support.respondus.com. Select the "Knowledge Base" link and then select "Respondus LockDown Browser" as the product. If your problem is with a webcam, select "Respondus Monitor" as your product
* If you're still unable to resolve a technical issue with LockDown Browser, go to support.respondus.com and select "Submit a Ticket". Provide detailed information about your problem and what steps you took to resolve it.

**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)**

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 multiple choice short answer 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 Online Moodle LMS and require Respondus LockDown Browser + Web cam.

I understand the course requirement to take PART 1 Multiple Choice of the lecture exams on the Moodle (TC Online LMS using the required Respondus LockDown Browser + WebCam. 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 will receive a zero (0) for the quiz or examination. NO EXEPTIONS! You will also be counted absent for that class session.**

**Bonus Credit Questions / TEAMS Lecture Session Participation Score**: During each required lecture class session on MS-Teams each student will answer questions via email. 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 lecture exam score based on a conversion taking into account the performance of the entire class on the exam. By sending in your responses to these questions you will also receive a participation grade. **The student answer/ responses to the bonus credit questions must be received before 11:59PM of the day of the lecture session or assigned day by the instructor. Late responses/makeups will not be accepted.**

*IMPORTANT: These bonus credits are redeemed into bonus points on the major lecture exam that follows later in the course that will significantly impact your grade on all exams!!*

**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%** |
| **TEAMS 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 web class is two (2) 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.**

**You will be counted absent if:**

* **You fail to participate in class for that week (Mon – Sun) by completing an assignment or not attending the TEAMS Lecture sessions (2)**

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

Students are required to submit answers to bonus credit questions before 11:59PM the same day as the scheduled session and this is used to determine attendance for the class.

**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 at all 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 Help 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.** |