



TEXARKANA COLLEGE

Syllabus: Principles of Biology II for Science Majors

Course Number: BIOL 1307

Semester & Year: Spring 2015

Instructor Information

Name: Mark Storey

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Office Hours: M - TR – 12:00PM- 12:30PM , W 3-5PM

Textbook Information

- [Principles of Life. Hillis, Sadava, Heller and Price 2nd ed.\(2014\) Sinauer Assoc Inc and W.H. Freeman and Co.](#)
- [Principles of Life. Hillis, Sadava, Heller and Price 1st ed.\(2012\) Sinauer Assoc Inc and W.H. Freeman and Co. ISBN 978-1-4292-5721-3 \(cheaper!\)](#)
- Free textbook website: <http://www.whfreeman.com/hillis1e>
- Biology – Openstax Rice University (alternative textbook) **FREE!**
<https://openstaxcollege.org/textbooks/biology>

Student Learning Outcomes for the Course

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

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

Student Requirements for Completion of the Course

Lecture Topics/ Exams - Biology 1307 Spring 2015

EXAM I

Chapter 12: Genomes pg 226

Chapter 13: Biotechnology pg 244

Chapter 14: Genes Development and Evolution pg 263

Chapter 15: Mechanisms of Evolution pg 288

EXAM II

Chapter 18: The History of Life on Earth pg 347

Chapter 24: The Plant Body pg 506

Chapter 27: Reproduction of Flowering Plants pg 556

Chapter 29: Physiology, Homeostasis and Temperature Regulation pg 588

EXAM III

Chapter 30: Animal Hormones pg 603

Chapter 31: Immunology: Animal Defense Systems pg 620

Chapter 34: Neurons and Nervous Systems pg 672

Chapter 42: Organisms and their Environment pg 822

FINAL EXAM (Comprehensive) Emphasis on Student Learning Guide Questions Chapters 12-15, 18, 24, 29, 29 and 30, 31, 34, and 42(all chapters covered during the course) and selected essay questions from Exams I, II, and III.

Student Assessment (EXAMS)

Three (3) lecture exams will be given over three units and a comprehensive final exam, for a total of four exams. The examination format will include multiple choice, short answer and 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. Portions of the lecture unit exams will be conducted in the TC testing center.

The course grade will be calculated from the following schedule:

Lecture Exams (3)	50%
Final Comprehensive Exam	25%
Online Weekly Quizzes	20%
Participation Lecture	5%
Total	100%

Grading Scale

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

Class Schedule See *Lecture Topics/ Exams*

EXAM I (5th week of semester)

EXAM II (10th week of semester)

EXAM III (15th week semester)

Absentee 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. **(Tardy 0-10 minutes after class has begun; after 10 minutes - Absent)***

Do not 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.

The maximum number of absences in a MW or T-TR class is four (4) per semester (the equivalent of two (2) weeks of instruction). 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.**

EXCUSED ABSENCES (TC Official Policy)

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 types of absences that are considered excused 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. Make-up policies are listed in each individual instructor's syllabus.

WARNING: If you exceed the maximum number of absences for this course you will be dropped (W) from the course. (NO EXCEPTIONS).

Students are required to attend lecture classes for the entire period. Students that arrive more than 10 minutes after class has begun or leave early, will be marked as absent. Students that arrive between 0 and 10 minutes after class has begun will be recorded as tardy. **Three tardies will be recorded as an absence.** Students that sleep during class, ignore this class because they are busy texting, chatting, checking social media sites or doing homework for other classes or do not participate in class activities for any other reason, **will be marked as absent!** ☹

If situations make it necessary for missing class or lab you are still responsible for all the work you missed during class and lab. If you miss class, you should let me know ASAP (by e-mail Mark.Storey@texarkanacollege.edu) and in advance if at all possible. I can give you the assignments to help you remain current in 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.

Make-up Policy

Lecture Exams: Exams **cannot** be made up if the exam was originally administered in the TC Testing Center, as the exam was made available for an extended period of time already (normally Mon-Friday).

Homework / written assignments in lecture are due at the beginning of the class session and will be penalized 10% for being late for the first 24 hours and 20% for the second 24 hours and will not be accepted after 48 hours . Late work can be turned in via e-mail to my e-mail address: Mark.Storey@texarkanacollege.edu

Class Conduct

Students are expected to conduct themselves as adults. **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.** 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". **No music players are permitted in my classroom. No texting during class!**

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.

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 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 Larry Andrews 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 etc.) which causes a short term disruption of this course, we will use the TC Moodle LMS ("TC Online") and TC student e-mail to continue this course in the short term. All students need to use their official TC e-mail account to receive course related information.

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.

By signing this statement, I agree that I have read and understand what is expected of me to perform satisfactorily in this course of study.

I also understand that any photographic and or audio recordings that are made of students including myself) during this class of are the property of Texarkana College and can be used to promote the educational mission of Texarkana College.

Student Name (**PRINT** First & LAST NAME)

Legal Signature

TC Course Number / Section Number

Date