



Syllabus: Concepts of Biology I Lecture

Course Number: BIOL 1308

Semester & Year:

Instructor Information

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Office Hours:

Textbook Information

This semester for Concepts of Biology, we will be using an open source textbook developed by Rice University. You can purchase a copy of the textbook at the TC Bookstore, or you can download it as a PDF to you computer, tablet, phone, etc. for free from the Rice OpenStax website.

<http://openstaxcollege.org/textbooks/concepts-of-biology>. Select “Get this Book” in the orange box toward the center of the page and select how you would like to receive the book.

- a) Print-allows you to order a copy from OpenStax. You can also purchase a copy from the TC Bookstore.
- b) PDF-This format can be read on most tablet devices like ipad, kindle, and most smart phones. You can select high resolution which takes up more space and takes longer to download or lower resolution.
- c) Web View-you can read the book live on the web from your computer or device connected to the Internet. The book does not download.
- d) EPUB-another format for popular mobile devices such as the NOOK.

Student Learning Outcomes for the Course

- 1. Distinguish between prokaryotic, eukaryotic, plant and animal cells, and identify major cell structures.
- 2. Identify stages of the cell cycle, mitosis (plant and animal), and meiosis.
- 3. Interpret results from cell physiology experiments involving movement across membranes, enzymes, photosynthesis, and cellular respiration.
- 4. Apply genetic principles to predict the outcome of genetic crosses and statistically analyze results.
- 5. Describe karyotyping, pedigrees, and biotechnology and provide an example of the uses of each.
- 6. Identify parts of a DNA molecule, and describe replication, transcription, and translation.
- 7. Analyze evidence for evolution and natural selection.

Student Requirements for Completion of the Course and Due Dates

Dates are subject to change

Lecture Exams	Chapters Covered	Date
Exam 1	Chapters 1-2	Week 3

Exam 2	Chapters 3-4	Week 6
Exam 3	Chapters 5-6	Week 9
Exam 4	Chapters 7-8	Week 12
Exam 5	Chapters 9-11	Week 15
Comprehensive Final	Chapters 1-11	Finals Week

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 1,000 points. All lecture tests may include multiple choice, essay, short answer, and labeling questions.

The point breakdown is as follows:

Exam 1	100 points
Exam 2	100 points
Exam 3	100 points
Exam 4	100 points
Exam 5	100 points
Final (Comprehensive)	200 points
Quizzes, Class Assignments	200 points
Participation (attendance, discussion, etc.)	<u>100 points</u> 1000 points

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.

Class Schedule

Week	Material to be covered
1	Go over syllabus; Chapter 1
2	Chapter 2
3	Out Labor Day; Exam 1; Chapter 3 (tentative)
4	Continue Chapter 3; Chapter 4
5	Chapter 4
6	Exam 2; Chapter 5
7	Chapter 5 and 6
8	Chapter 6
9	Exam 3; Chapter 7
10	Chapter 7 and 8
11	Chapter 8
12	Exam 4; Chapter 9
13	Chapter 9

	Thanksgiving Week-no classes
14	Chapters 10-11
15	Finish Chapter 11; Review; Exam 5
16	Final Exam

This outline is subject to change for reasons of course interest, time constraints, 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.

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.

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.

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.

Academic Classes

A COURSE THAT MEETS FOR THE FULL 16 WEEK SEMESTER

Class or Lab Meets:	An instructor may 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 makeup test or quiz for full credit will be allowed. If any additional makeup tests must be administered, they will be worth 80% 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. Late work will result in a deduction of points.

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.

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) 823-3450 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.