

## BIOLOGY 1305 GENERAL BIOLOGY, FALL 2023, CRN # 11349

Instructor: Dr. Hsini Lin; E-mail: [hlin@utep.edu](mailto:hlin@utep.edu)

Lecture Time: 9:00 am to 10:20 am Monday/Wednesday

Location: Undergraduate Learning Center Room 116

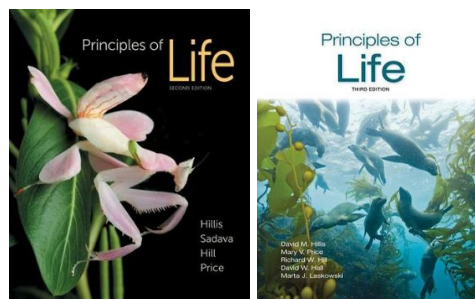
**Course Objectives:** This course is designed to introduce the student who is majoring in science to various core themes in biology. The students will gain a basic understanding of some of the more complex fundamentals of science that will be built upon in later biology courses. Upon completion of this course, I hope you will be able to:

- Demonstrate an understanding of the language of Biology.
- Demonstrate an understanding of the basic concepts of inorganic, organic and biochemistry as they apply to the biological sciences.
- Demonstrate the ability to predict the roles of atoms, molecules, organelles, genetics and environmental factors in regulating metabolism of prokaryotes, animals and plant cells.

**General Information:** The course is designed for Science majors. The difficulty level of the course will depend largely upon your academic background and academic abilities in general, the majority of the students have to put in a significant amount of time and effort to succeed. You need to be realistic about how much time you will need to devote to this class, and plan your time accordingly.

### Required Materials:

- A good attitude and willingness to work hard
- Access to online course materials on Blackboard
- An e-mail address on record that you check regularly
- **Textbook:** *Principles of Life. Hillis, Sadava, Heller and Price*. Note that either the 2nd Ed. (ISBN-10: 1464109478; ISBN-13: 978-1464109478) and 3rd edition (ISBN-13: 978-1319017712; ISBN-10: 1319017711) are acceptable



**Technology Requirement:** Course content is available on the Internet through the Blackboard learning management system. Ensure your UTEP e-mail account is working and that you have access to the Web and a stable web browser. Google Chrome and Mozilla Firefox are the best

browsers for Blackboard; other browsers may cause complications. When having technical difficulties, update your browser, clear your cache, or try switching to another browser.

You will need to have access to a computer/laptop. You will need to download or update the following software: Microsoft Office, Adobe Acrobat Reader, Windows Media Player, QuickTime, and Java. Check that your computer hardware and software are up-to-date and able to access all parts of the course.

If you do not have a word-processing software, you can download Word and other Microsoft Office programs (including Excel, PowerPoint, Outlook and more) for free via UTEP's Microsoft Office Portal. Click the following link for more information about Microsoft Office 365 and follow the instructions.

[https://www.utep.edu/technologysupport/ServiceCatalog/SOFTWARE\\_PAGES/soft\\_microsoftoffice365.html](https://www.utep.edu/technologysupport/ServiceCatalog/SOFTWARE_PAGES/soft_microsoftoffice365.html)

**IMPORTANT:** If you encounter technical difficulties beyond your scope of troubleshooting, please contact the UTEP Help Desk as they are trained specifically in assisting with technological needs of students. Please do not contact me for this type of assistance. The Help Desk is much better equipped than I am to assist you!

**Course Communication:** There are several ways we can keep the communication channels open:

- **Email:** UTEP e-mail is the best way to contact me. I will make every attempt to respond to your e-mail within 24-48 hours of receipt. When emailing me, be sure to email from your UTEP student account, and **please put the course number in the subject line**. In the body of your e-mail, clearly state your question. At the end of your e-mail, be sure to put **your first and last name** and your university identification number.
- **Announcements:** Check the Blackboard announcements frequently for any updates, deadlines, or other important messages.
- **Discussion Board:** If you have a question that you believe other students may also have, please post it in the Help Board of the discussion boards inside of Blackboard. Please respond to other students' questions if you have a helpful response.
- **Office Hours:** If you need to meet with me, please contact me to schedule an appointment. My office hours will be held on Zoom or Blackboard Collaborate.

**Grading:** The letter grading system will be used. A = 90-100; B = 80-89; C = 70-79; D = 60-69; F = <60. I do round off. Your grade will be determined based on Attendance, Assignments, Exams, and Quizzes.

Activity	% toward to final grade
Attendances	15%
Assignments	15%
Exam	50%
Quizzes	20%

- **Attendance (15%):** Submit exit tickets to receive the attendance points.
- **Online Assignments (15%):** Assignments will be posted on the blackboard. Assignments should be submitted before their deadlines. I'm very strict with deadlines. So, it is your responsibility to leave enough time to deal with possible personal issues or technical difficulties that may arise during online submission.
- **Online Exams (50%):** There will be five exams during the semester. Each exam will have 50 multiple choices. Exams are only available during the scheduled time. If you fail to complete the exam before the deadline, the exam will be closed, and you will receive a grade of zero (0) for that exam. So, It is your responsibility to leave enough time to deal with possible personal issues or technical difficulties that may arise during online submission. The exams are timed.
- **Online Quizzes (20%):** You have to take the On-line quizzes before their deadlines. If you fail to complete the quiz before the deadline, the quiz will be closed and you will receive a grade of zero (0) for that quiz.

**Missed Examination Policy:** A missed examination contributes zero percent toward to the student's final course grade. Since this is an online course, exams are delivered via a database. **Once an exam has closed it will no longer be possible to retake the exam.** Do not use a wireless internet connection to complete assignments or take exams as these connections can be unreliable and can cause submission of your work before you've completed the work, and nothing can be done.

Make-up work will be given *only* in the case of a *documented* emergency. Note that make-up work may be in a different format than the original work, may require more intensive preparation, and may be graded with penalty points. If you miss an assignment and the reason is not considered excusable, you will receive a zero. It is therefore important to reach out to me—in advance if at all possible—and explain with proper documentation why you missed a given course requirement. Once a deadline has been established for make-up work, no further extensions or exceptions will be granted.

**Absence/Drop/Incomplete Policy:** It is your responsibility to complete the scheduled activities before the dead-line. If you cannot complete the assigned activities due to a serious illness or a legitimate excuse such as military personnel called to active duty or training, make arrangements with me before you leave. **November 3rd** is the last day students may drop with an automatic "W". An "I" (incomplete grade) can only be considered only if requested by the student in advance of the conclusion of the course and only for legitimate, documented emergencies. Failure to request and negotiate the terms of an "Incomplete" grade before the conclusion of the course will result in a denial except in the most extraordinary circumstances.

**Academic Integrity Policy:** You must submit work that you yourself have completed. Work you submit that was not directly written by you is considered cheating and will result in a 0 for the assignment. Academic dishonesty is prohibited and is considered a violation of the UTEP Handbook of Operating Procedures. It includes, but is not limited to, cheating, plagiarism, and collusion. Cheating may involve copying from or providing information to another student, possessing unauthorized materials during a test, or falsifying research data on laboratory reports. Plagiarism occurs when someone intentionally or knowingly represents the words or ideas of another as ones' own. Collusion involves collaborating with another person to commit any academically dishonest act. Any act of academic dishonesty attempted by a UTEP student is unacceptable and will not be tolerated. All suspected violations of academic integrity at The University of Texas at El Paso must be reported to the Office of Student Conduct and Conflict

Resolution (OSCCR) for possible disciplinary action. To learn more, please visit [HOOP: Student Conduct and Discipline](#). UTEP's policies regarding academic integrity apply in this course.

### **Accommodation Policy**

The University is committed to providing reasonable accommodations and auxiliary services to students, staff, faculty, job applicants, applicants for admissions, and other beneficiaries of University programs, services and activities with documented disabilities in order to provide them with equal opportunities to participate in programs, services, and activities in compliance with sections 503 and 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act (ADA) of 1990 and the Americans with Disabilities Act Amendments Act (ADAAA) of 2008. Reasonable accommodations will be made unless it is determined that doing so would cause undue hardship on the University. Students requesting an accommodation based on a disability must register with the UTEP [Center for Accommodations and Support Services \(CASS\)](#). Contact the Center for Accommodations and Support Services at 915-747-5148, or email them at [cass@utep.edu](mailto:cass@utep.edu), or apply for accommodations online via the CASS portal. The student is responsible for presenting to the instructor any DSS accommodation letters and instructions.

**Course Schedule (Please Note that this schedule is subject to change)**

	Date		Topic	Required Reading
Unit 1	08/28	M	Introduction	
	08/30	W	Chemistry and Energy	Chapter 2
	09/04	M	No Class (Labor Day)	
	09/06	W	Chemistry and Energy	Chapter 2
	09/11	M	Nucleic Acids, Proteins and Enzymes	Chapter 3
	09/13	W	Nucleic Acids, Proteins and Enzymes	Chapter 3
	09/18	M	Review & Catch up	
	09/20	W	Cells: The Working Units of Life	Chapter 4
Unit 2	09/25	M	Cells: The Working Units of Life	Chapter 4
	09/27	W	Exam 1	
	10/02	M	Cell Membranes and Signaling	Chapter 5
	10/04	W	Cell Membranes and Signaling	Chapter 5
	10/09	M	Review & Catch up	
	10/11	W	Exam 2	
Unit 3	10/16	M	Pathways that Harvest, Store Energy	Chapter 6
	10/18	W	Pathways that Harvest, Store Energy	Chapter 6
	10/23	M	The Cell Cycle and Cell Division	Chapter 7
	10/25	W	The Cell Cycle and Cell Division	Chapter 7
	10/30	M	Review & Catch up	
	11/01	W	Exam 3	
Unit 4	11/06	M	Inheritance, Genes, and Chromosomes	Chapter 8
	11/08	W	Inheritance, Genes, and Chromosomes	Chapter 8
	11/13	M	DNA and its Role in Heredity	Chapter 9
	11/15	W	DNA and its Role in Heredity	Chapter 9
	11/20	M	Review & Catch up	
	11/22	W	Exam 4	
Unit 5	11/27	M	From DNA to Protein: Gene Expression Regulation of Gene expression	Chapter 10 Chapter 11
	11/29	W		
	12/04	M		
	12/06	W	Exam 5	