

**BIOL.1305-007 GENERAL BIOLOGY HONORS SYLLABUS,
FALL, 2013 (CRN 12096) MWF 930 -1020 AM BUSN 330**

PROFESSOR: Dr. Joanne T. Ellzey
OFFICE: Biology 105, (747-6880) Email: jellzey@utep.edu
OFFICE HOURS: M-F 10:30-11:30 AM or by appointment.

TEXT: *Principles of Life* (REQUIRED) 1st Edit. Hillis, Sadava, Heller and Price. 2012.

WEBSITES: The syllabus, practice examinations and PowerPoint lectures will be available to you on Blackboard for our class. yourBioPortal.com and <http://www.thelifewire.com> are websites provided by our publisher, Sinauer Associates.

OCT. 18, 2013 Midterm grades emailed to freshmen students.

NOV. 1, 2013 LAST DAY THAT A STUDENT MAY DROP A CLASS OR OFFICIALLY WITHDRAW WITH AN AUTOMATIC "W".

OBJECTIVES:

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

<u>DATE</u>	<u>LECTURE</u>	<u>REQUIRED READING</u>
		Chapter
Aug. 26	Introduction	1
Aug. 28	Introduction	1
Aug. 30	Life, Chemistry and Energy	2
Sept. 2	LABOR DAY HOLIDAY	No classes
Sept. 4	Life, Chemistry and Energy	2
Sept. 6	Life, Chemistry and Energy	2
Sept. 9	Nucleic Acids, Proteins and Enzymes	3
Sept. 11	Nucleic Acids, Proteins and Enzymes	3
Sept. 13	Nucleic Acids, Proteins and Enzymes	3
Sept. 16	Review; Practice Examination	
	EXAMINATION I September 18, 2013 (Wednesday)	
Sept. 20	Cells: The Working Units of Life	4
Sept. 23	Cells: The Working Units of Life	4
Sept. 25	Cells: The Working Units of Life	4
Sept. 27	Cell Membranes and Signaling	5
Sept. 30	Cell Membranes and Signaling	5
Oct. 2	Cell Membranes and Signaling	5
Oct. 4	Review; Practice Examination	
	EXAMINATION II. October 7, 2013 (Monday)	

Oct. 9	Pathways that Harvest, Store Energy	6
Oct. 11	Pathways that Harvest, Store Energy	6
Oct. 14	Pathways that Harvest, Store Energy	6
Oct. 16	The Cell Cycle and Cell Division	7
Oct. 18	The Cell Cycle and Cell Division	7
Oct. 21	The Cell Cycle and Cell Division	7
Oct. 23	Review; Practice Examination	
	EXAMINATION III. October 25, 2013(Friday)	
Oct. 28	Inheritance, Genes, Chromosomes	8
Oct. 30	Inheritance, Genes, Chromosomes	8
Nov. 1	Inheritance, Genes, Chromosomes	8
Nov. 4	Genetics Problems-Homework	
Nov. 6	DNA, Its Role in Heredity	9
Nov. 8	DNA, Its Role in Heredity	9
Nov. 11	DNA, Its Role in Heredity	9
Nov. 13	Review; Practice Examination	
	EXAMINATION IV. November 15, 2013 (Friday)	
Nov. 18	DNA to Protein, Gene Expression	10
Nov. 20	DNA to Protein, Gene Expression	10
Nov. 22	DNA to Protein, Gene Expression	10
Nov. 25	Regulation of Gene Expression	
Nov. 27	Regulation of Gene Expression	11
Nov. 28, 29	THANKSGIVING HOLIDAY	
Dec. 2	Regulation of Gene Expression	11
Dec. 4	Review; Practice Examination	
Dec. 6	DEAD DAY	No classes

FINAL EXAM. – December 11, 2013 (Wednesday) (10:00a.m.-12:45p.m.) BUSN 330

Biol. 1107 Registration

Registration in the laboratory Biol. 1107 is required for all Biology and Microbiology majors and minors and all students who plan to take future biology courses. It is wise to take it simultaneously with Biol. 1305.

Attendance

You are expected to attend class regularly and on time. In order that everyone in class can hear the lectures and concentrate on the lecture, I request that there be no chatting. This is a non-smoking classroom. Do not disrupt the class by walking out before the class is dismissed. **Please do not wear hats in class during examinations.** There will be interactive exercises in class and some homework required. CELL PHONES SHOULD BE TURNED OFF WHEN YOU ARE IN THE CLASSROOM. REMOVE EARPHONES IN CLASS. COMPUTERS SHOULD ONLY BE USED TO VIEW OUR CLASS LECTURES.

Guidelines for Success

1. **Read the textbook actively** before and after each lecture. Discuss what you are learning with friends and family. Take the practice exams in your text. **Expect to spend at least two hours /lecture outside of class studying for this class.**
2. **Print out my PowerPoint lectures on Blackboard and bring them to class to add notes.**
3. **Take practice examinations from Blackboard for our class.**
4. **Access the following recommended websites for additional information:**
5. Web Sites for our text at <http://www.yourBioPortal.com> and <http://www.thelifewire.com>

Khan Academy: www.khanacademy.org

Crash Course at YouTube: www.youtube.com/user/crashcourse (Hank Green-viogbrothers). Select Biology. Search for appropriate topics.

Ted Talks: www.ted.com/talks

6. Tutoring and working in Study Groups are highly recommended.
7. Computer lab resources include ACES, Physical Science Lobby; Library 300, Technical Support Help Desk; LACIT, 4th Floor, Liberal Arts.
8. Remember the “Thought of the Day” which I provide on the Attendance Sheet each lecture.

Examination Policy

Grades are based upon the results of examinations and participation in class. Lack of participation in an examination will result in a zero unless you have a legitimate excuse. All examinations including the final exam. are required of all students enrolled in this course. The exam with the lowest grade (other than the final exam.) will be dropped. **There are no make-up exam's.** If you have a serious illness call me before the test is given and bring a doctor's written excuse to me. If you have a legitimate excuse for being out-of-town, make arrangements with me to take the exam. **before** you leave. Cheating will be reported to the appropriate administrative officer. Failure to take the final exam may result in receiving an F in this course. Incompletes are only given in exceptional circumstances.

Drop Policy

November 1st is the last day that a student may drop a class or officially withdraw with an automatic "W". This is the last date on which a faculty member can drop a student. December 5, 2013, the last day of classes is the last day for complete withdrawal from the university.

Repeat Policy

The University of Texas at El Paso has a policy that as of the Fall, 1995 semester, students may only enroll in a particular course a maximum of three times. This includes the W's on your transcript. If you receive a “D” or an “F” in a required course, you will need to take the course over again. **The Texas Legislature passed a law that a university student can only have six withdrawals on their transcript.**

Grading Policy

A = 90-100 B = 80-89 C = 70-79 D = 60-69 F = Below 60

Plagiarism/Academic Dishonesty Statement

“Cheating is unethical and not acceptable. Plagiarism is using information or original wording from a paper or website without giving credit to the source of that information or wording: it is also not acceptable. Do not submit work with your name that you did not do yourself. If you are directly quoting the work of someone else, you should use quotation marks or italics. Do not submit work for this class that you have prepared for another class. If you are found to be cheating or plagiarizing, you will be subject to disciplinary action, according to the UTEP policy”. Refer to <http://www.utep.edu/dos/acadintg.htm> for further information. **TEXTING IN CLASS OR DURING EXAMINATIONS IS NOT ALLOWED.**

Disabilities Statement

I will make any reasonable accommodation for students with limitations due to disabilities, including learning disabilities. Please see me personally after class **in the first two weeks** or make an appointment with me to discuss any special needs you might have. If you have a documented disability and require specific accommodations, you will need to contact the Center for Accommodations and Support Services (CASS) **within the first two weeks of classes.** The Center for Accommodations and Support Services can be reached at <http://sa.utep.edu/cass/> (915) 747-5148 or cass@utep.edu. It is located at the Union Building East Room 106.