

BIOLOGY 1113 - Fall 2007

Tuesday/Thursday 2:00-3:15 p.m. - SB 2.01.12

Instructor: Dr. Martha Lundell

Phone: 458-5769

Email: martha.lundell@utsa.edu

Office: SB 4.02.52

Office Hours: T/Th 3:30-4:30 p.m. Other times by appointment.

SI Leader: Chris McColskey – contact on WebCT e-mail

Text: *Biology (Seventh Edition)* - Neil Campbell and Jane Reece

Several copies of the text and study guide are on 2-hour reserve in the library.

Course WEB Site: <http://webct.utsa.edu>

Prerequisites: None

Course Description: This is an introduction to the science of biology, which emphasizes a comparative study of the diversity of life forms. Topics include biochemistry, cell structure and function, photosynthesis, metabolic respiration, Mendelian and molecular genetics and biotechnology.

Attendance: Attendance at all classes is strongly advised. This course moves quickly, covers a large amount of material and continually builds on previous concepts. All exams will be based on material covered in lecture. Any changes to the schedule will be announced in class. **It is also recommended that students prepare for lecture by reading the assigned chapters in advance.**

Grading: There will be four midterm examinations and one final examination. The final exam will be cumulative. Each student will need to purchase 5 ParSCORE Test Forms (50 questions on each side – green in color).

Four Midterms 100 points each	400 points
Final Examination 200 points	<u>200 points</u>
	600 points

Exams must be taken on scheduled dates, unless prior arrangement is made to take them **EARLY**. **There are no make-up examinations.** For a missed exam, a score will be generated by taking 1/2 the final exam score. This can only occur once during the semester, a second missed exam will result in a zero score.

Optional Extra Credit: During the semester responses will be solicited from the class using electronic “i-clickers”. Answers to these questions will count as bonus points. **Only electronic answers will be accepted**, answers written on paper will not be counted. There are no other opportunities for extra credit. The clickers can be purchased at the bookstore, but make sure you get the appropriate brand “i-clicker”. The website for registration is <http://www.iclicker.com/registration>. Please use your banner ID including the @ sign as your student ID.

Policy on Cheating: Students are expected to be above reproach in scholastic activities. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and dismissal from the University. “Scholastic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an exam for another person, any act designed to give unfair advantage to a student of the attempt to commit such acts.” Regents’ Rules of Regulations, Part one, Chapter VI, section 3, Subsection 3.2 Subdivision 3.22. Since scholastic dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced.

Class Schedule

DATE		TOPIC		Chapter
August	23	TH	Introduction - Chemical Context of Life	2
	28	-T	Water and the Fitness of the Environment	3
	30	TH	Carbon and Functional Groups	4
September	4	T	Structure and Function of Macromolecules	5
	6	TH	A Tour of the Cell	6
	11	T	Continuation / Review	
	13	TH	Exam I 2-6	
	18	T	Membrane Structure and Function	7
	20	TH	Introduction to Metabolism	8
	25	T	Cellular Respiration	9
	27	TH	Photosynthesis	10
October	2	T	Cell Communication	11
	4	TH	Continuation / Review	
	9	T	Exam II 7-11	
	11	TH	Cell Cycle	12
	16	T	Meiosis and Sexual Life Cycles	13
	18	TH	Mendel and the Gene Idea	14
Drop deadline	23	T	Chromosomal Basis of Inheritance	15
	25	TH	Molecular Basis of Inheritance	16
	30	T	Continuation / Review	
November	1	TH	Exam III 12-16	
	6	T	From Gene to Protein	17
	8	TH	Genetics of Viruses and Bacteria	18
	13	T	Control of Eukaryotic Genomes	19
	15	TH	DNA Technology and Genomics	20
	20	T	Continuation / Review	
	22	TH	THANKSGIVING	
	27	T	Exam IV 17-20	
	29	TH	Review	
December	6	TH	FINAL 10:30am - 1:00pm	