

Biosciences I - 1404 - Fall 2008

Class: Monday and Wednesday 9:30-10:45 p.m. –
Buena Vista St Building - DT 2.304 (Downtown Campus)

Recitations:

Section 901: 2:00 pm - 2:50 pm Monday at Frio St Building - DT 1.512
Section 902: 2:00 pm - 2:50 pm Wednesday at Buena Vista St Building - DT 3.306
Section 903: 11:00 am - 11:50 am Friday at Frio St Building - DT 3.528

Instructor: Dr. Fidel Santamaria Office Hours: M/W 4:00-5:00pm. BSB 1.03.28 (1604 Campus)

Teaching Assistants: Gabriel Alaniz
TA office: SB 3.01.39P Tel:x6567

Text: *Biology (Eighth 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, biotechnology and evolution.

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:	Recitation	300	
	Exam I	100	Monday Sept. 22 rd in class
	Exam II	100	Monday Nov. 10 th in class
	Common midterm	200	Saturday Oct. 18 th 2:00 pm
	Common Final Examination	<u>300</u>	Saturday Dec. 13 th 2:00 pm
		1000	

Exams: There will be three midterm examinations and one final examination. Each student will need to purchase 4 ParSCORE Test Forms X-101864 (50 questions on each side). Exams must be taken on scheduled dates. **There are no make-up examinations.** If Exam I, Exam II or the Common Midterm Exam is missed for any reason, the final will count for 300 points plus the value of the exam that is missed (e.g., 300 + 100 or 300 + 200). Making up a missed score with the final can only occur **once** during the semester; you can only miss one exam, a second missed exam will result in a zero score for the exam that is missed. You are strongly

encouraged to take all tests and exams during the course. **All students must take the final exam to pass the course.** (If a student has a documented valid conflict with an exam date the exam may be taken early with consent of the instructor.)

Recitation grade: Recitation grade will be based on 10 homework assignments 10 points each and 9 quizzes 25 points each. The quiz with the lowest grade will be dropped.

Homework: Homework assignments will be posted, on WebCT, at 11:00 am on Wednesdays. The assignment must be submitted by next Wednesday at 8:00 am. Homework can be resubmitted as many times as you wish up until the deadline. The last submission will be scored. Answers will be released after the Wednesday 8:00 am deadline. **The first homework will be assigned on September 3rd. There are no make-up homework assignments.**

Quizzes: Quizzes will be administered during recitation. **There are no make-up quizzes.** Students must attend the recitation for which they have registered; they cannot receive credit for quizzes taken in another section.

****There are no opportunities for extra credit.**

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 or 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	Home Work Due @ 8 am	Quiz During recitations in indicted dates
August	27	W	Introduction - Chemical Context of Life	1-2	
September	3	W	Water and the Fitness of the Environment	3	HW 1 on Ch 1-3 Due Sep 8
	8	M	Carbon and Functional Groups	4	HW 2 on Ch 4-5 Due Sep 17
	10	W	Structure and Function of Macromolecules	5	
	15	M	A Tour of the Cell	6	HW 3 on Ch 6-7 Due Sep 24
	17	W	Membrane Structure and Function	7	
	22	M	Continuation / Review		HW 4 on Ch 1-7 Due Oct 1
	24	W	Exam I Chapters 1-7		Quiz 1 on Ch 1-3 Sep 8, 10, 12
	29	M	Introduction to Metabolism	8	Review Exam Sep 29 Oct 1, 3
October	1	W	Cellular Respiration	9	
	6	M	Photosynthesis	10	HW 5 on Ch 8-9 Due Oct 15
	8	W	Cell Communication	11	Quiz 4 on Ch 8-9 Oct 6, 8, 10
	13	M	Cell Cycle	12	HW 6 on Ch 10-12 Due Oct 22
	15	W	Continuation / Review		Quiz 5 Ch 10-11 Oct 13, 15, 17
	18	SA	COMMON MIDTERM Chapters 1-12 2:00 pm FS 1.406		
	20	M	Meiosis and Sexual Life Cycles	13	Review Exam Oct 20, 22, 24
	22	W	Mendel and the Gene Idea	14	
	27	M	Chromosomal Basis of Inheritance	15	HW 7 on Ch 13-14 Due Nov 5
	29	W	Molecular Basis of Inheritance	16	Quiz 6 on Ch 12-14 Oct 27, 29, 31
November	3	M	From Gene to Protein	17	HW 8 on Ch 15-16 Due Nov 12
	5	W	Regulation of Gene Expression	18	Quiz 7 on Ch 15-16 Nov 3, 5, 7
	10	M	Continuation / Review		HW 9 on Ch 17-18 Due Nov 19
	12	W	Exam II 13-18		Quiz 8 on Ch 17-18 Nov 10, 12, 14
	17	M	Viruses	19	Review Exam Nov 17, 19
	19	W	NO LECTURE		
	24	M	Biotechnology	20	HW 10 on Review Exam

	26	W	Genomes and Their Evolution	21	Ch 19-21 Due Dec 3	Nov 24
December	1	M	Evolution	22		Quiz 9 on Ch 19-21
	3	W	Evolution of populations	23		Dec 1, 3, 5
	13	SA	COMMON FINAL Chapters 1-23 2:00 pm			

Drop Deadlines

September 3rd - Last day to drop and receive no grade.

October 30th - Last day for sophomore and above to drop and receive a grade of "W"

December 3rd - Last day for freshman to drop and receive a grade of "W"