

Biosciences I - Fall 2008

BIO 1404 Sections 001-009 MWF MB 0.104

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Office: SB 3.01.25

Office Hours: T/TH 9-10 AM or by appt.

Teaching Assistants: Angela Boley, Swanand Hardikar, & Tricia Van Laar

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Text: *Biology (Eighth Edition)* - Neil Campbell and Jane Reece
Several copies of the text and study guide
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 in the assigned chapter. Any changes to the schedule will be announced in class. **It is also highly recommended that students prepare for lecture by reading the assigned chapters in advance.**

Grading: There will be two exams, a common midterm, and a common final examination. Each student will need to purchase 4 ParSCORE Test Forms X-101864 (50 questions on each side).

Recitation quizzes (150) and homework (150)	300	
Exam I	100	Wednesday Sept. 24 rd
Exam II	100	Wednesday Nov. 11 th
Common Midterm	200	Saturday Oct. 18 th 2:00 PM
Common Final Examination	<u>300</u>	Saturday Dec. 13 th 2:00 PM
	1000	

There are no make-up examinations.

Exams must be taken on scheduled dates. For a missed exam, the final will count 40 points. If the common midterm is missed the final will count 50 points. Making up a missed score with the final can only occur once during the semester, a second missed exam will result in a zero score. All students must take the final exam to pass the course.

There are no opportunities for extra credit.

No electronic equipment is permitted during exams including, but not limited to phones, PDAs, iPods, etc. You must present a valid UTSA ID to turn in your ParSCORE test form. Exam questions will be distributed until the first student finishes and leaves the room (don't be late!).

Recitations: Recitation points will be based on 10 homework assignments (150 points) and 10 quizzes (150 points). Lowest homework and quiz scores will be dropped. You must attend your enrolled recitation section. Homework/quizzes turned in to an un-enrolled recitation section will not be scored.

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.

Tentative Class Schedule*

Date			Topic	Chapt	Recitation
August	27	W	Introduction - Chemical Context of Life	1-2	Review
	29	F	Chemical Context of Life	2	Review
September	1	M	LABOR DAY HOLIDAY		
	3	W	Water and the Fitness of the Environment	3	QH1
	5	F	Carbon and Functional Groups	4	QH1
	8	M	Structure and Function of Macromolecules	5	QH2
	10	W	Structure and Function of Macromolecules	5	QH2
	12	F	A Tour of the Cell	6	QH2
	15	M	A Tour of the Cell	6	QH3
	17	W	Membrane Structure and Function	7	QH3
	19	F	Membrane Structure and Function	7	QH3
	22	M	Continuation / Review		Review
	24	W	Exam I Chapters 2-7		Review
	26	F	Introduction to Metabolism	8	Review
	29	M	Cellular Respiration	9	QH4
October	1	W	Cellular Respiration	9	QH4
	3	F	Photosynthesis	10	QH4
	6	M	Photosynthesis	10	QH5
	8	W	Cell Communication	11	QH5
	10	F	Cell Communication	11	QH56
	13	M	Cell Cycle	12	Review
	15	W	Cell Cycle	12	Review
	17	F	Continuation / Review		Review
	18	SA	COMMON MIDTERM 2:00 PM Chapters 1-12		
	20	M	Meiosis and Sexual Life Cycles	13	QH6
	22	W	Mendel and the Gene Idea	14	QH6
	24	F	Chromosomal Basis of Inheritance	15	QH6
	27	M	Molecular Basis of Inheritance	16	QH7
	29	W	Molecular Basis of Inheritance	16	QH7
	31	F	From Gene to Protein	17	QH7
November	3	M	From Gene to Protein	17	QH8
	5	W	Regulation of Gene Expression	18	QH8
	7	F	Regulation of Gene Expression	18	QH8
	10	M	Continuation / Review		Review
	12	W	Exam II 13-18		Review
	14	F	Viruses	19	Review
	17	M	Biotechnology	20	QH9
	19	W	Genomes and Their Evolution	21	QH9
	21	F	Genomes and Their Evolution	21	QH9
	24	M	Evolution	22	QH10
	26	W	Evolution	22	Review
	28	F	THANKSGIVING		
December	1	M	Evolution of populations	23	QH11

	3	W	Evolution of populations	23	QH11
	5	F	Continuation /Review		QH11
	13	SA	COMMON FINAL 2:00 PM Chapters 1-23		

*All exam dates and times are confirmed. Read chapters well ahead of lectures: the schedule of chapter presentation may advance faster than scheduled.