Biology 100- Introductory Biology

Spring 2007
Instructor: Krista M. Granieri
Office Hours: TBA_____
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Lecture: Mon-Wed-Fri 10:10 am-11:00 am, Room 11-130

This is a 3-unit introductory biology course for non-majors. The course will introduce the basic concepts of biology. The course will begin with a basic introduction to scientific inquiry and the field of biology. Over the course of the semester, we will study the basic structure and functions of cells, the evolution and anatomy of plants & animals, the biology of organisms from the various kingdoms and the structure and function of DNA, especially how it is related to aspects of biology that we encounter everyday, such as heredity and biotechnology.

Required Text:

Essential Biology with Physiology- Campbell, Reece, Simon.1st or 2nd edition.

Grading Protocol: Your grade will be based on the following:

Lecture:	
Lecture Exams (3 @ 200pts)	**600**
Final Exam	**250**
Various Assignments	**50**
Research Paper	**100**
Lecture Total	**1000**

A = 90-100%
B = 80-89%
C = 67-79%
D = 55-66%
F < 54%

Lecture:

Three Lecture Exams: (200pts each) The lecture exams may include any material covered in the lectures up to the lecture prior to the exam date. Exam material may also come from concepts covered during lab lectures as these are integral to the material learned in lecture. These exams will be multiple-choice and will require Scan-tron 882-E forms.

Comprehensive Final Exam: (250 pts) It will have two sections. The first part will contain material covered since the last in-class exam and the end of the semester. The second part will contain material covered throughout the course. It will be multiple-choice and will require a Scan-tron 882-E form.

Various Assignments: (50 pts) Various in-class. In-class assignments are intended to give you a chance to work through material with your classmates and to encourage regular attendance. These will generally be unannounced and you must be present to get credit.

Research Paper: (100pts) You will select a topic related to biology in the media and investigate some aspect of the topic through library, internet, interviews, field trips or other various research methods.

Extra Credit:

Study Guides- up to 10pts each (40pts) Study Guides are optional but effective tools to help prepare for an exam. Students who follow the study guide and write down their answers tend to do better on exams than those who do not. Study guides that are written out on separate sheets are worth up to 10 points toward the exam. You may work on study guides together however, each student must turn in their own work (no photocopies or double computer printouts).
(NOTE: There will be no other extra credit or "make-up" projects.)

Class Information:

Important Dates

Friday, February 9	Last day to drop without a "W" (no refund)
Thursday, April 26	Last day to drop with a "W"
Wednesday, May 23	8:10-10:40am Final Exam

Class Attendance Policy: Students are expected to attend lecture and laboratory periods regularly. I will not grade on attendance per se, but in-class assignments will be given and students who miss class will not be able to make them up. I cannot and will not demand that you attend every single lecture. However, I will do my best to encourage your attendance. WHY? It has been shown in study after study that students who attend class regularly do better on tests and students who miss classes tend not to do as well. AND I WANT EVERYONE TO DO REALLY WELL IN THIS CLASS! To that end, I will give you the answers to every exam question in advance of the exam. All you have to do is come to lecture and write them down.

Drop Policy: Students are responsible for dropping a class and must fill out the appropriate paperwork by the above deadline to officially drop the course. I reserve the right to drop students who have missed 2 or more exams or have stopped attending class by the April 26th deadline.

Special Needs: If you need special accommodations (for learning or physical disabilities), please see me after the first class so that I can make appropriate adjustments in the class to meet your needs. You may visit the Learning Disability Center if you have any questions.

Cheating Policy: College of San Mateo (and this instructor) has a strict no cheating policy. Students found cheating on class examinations, quizzes or homework will receive a zero on the assignment and may be expelled from this class.

Brief Tentative Schedule- Full version available online

1-17	Intro, Chemistry, Biochemistry
1-22	Cells Types, Cell Structure, Organelles
1-29	Metabolism- Photosynthesis/Cellular Respiration
2-5	Cell Division (mitosis) - **Exam 1**
2-12	Meiosis, Mendelian Genetics
2-19	Holiday- DNA Structure & Function
2-26	Transcription & Translation, Biotechnology
3-5	**Exam II**- Variation & Selection
3-12	Speciation- Origins of Life
3-19	Bacteria, Viruses- Protists, Fungi

3-26	Plants Evolution- Plants Anatomy
4-2	**SPRING BREAK**
4-9	**Exam III**- Animal Evolution & Body Plans
4-16	Animal Tissues- Musculoskeletal System
4-23	Nervous System- Sensory Perception
4-30	Predators, Prey, etc- Digestive Systems
5-7	Cardio, Respiratory- Immune Systems
5-14	Reproductive Strategies- Reproductive Systems
5-23	**FINAL EXAM- 8.10-10.40am**