Fundamentals of Life Science II
SPRING 2010

Biology 2170
Section 003
TR 1:00 – 2:40 PM
BO1053

Staff: Dr. Sally E. Harmych
Office: BO1009A
Office Hrs: M 2:00 PM – 3:00 PM
T 9:30 AM – 11:30 AM
W 1:00 PM – 3:00 PM, or by appointment
Phone: 530 – 4585
Email: sally.harmych@utoledo.edu
(I will also answer questions pertaining to the course via email)

Required text: Sadava, D., Heller, H. C., Orians, G. H., Purves, W. K., Hillis, D. M. 2008 ***Life: The Science of Biology****, 8th Edition*. Sinauer Associates, Inc. Sunderland, Mass.

Study guide to accompany *Life: The Science of Biology, 8th Edition*. Sinauer Associates, Inc., Sunderland, Mass.

Turning Technology's Radio Frequency "Clicker"

Course Website: www.dl.utoledo.edu This website provides information for the course such as exam review sheets, class lecture notes, email and a discussion board for class communications.

Important Dates:

January 18	No classes – Martin Luther King Day
February 18	No Class – Professor Harmych out of town
March 8-12	No classes – Spring Break
March 26	Last day to Withdraw

Exam Schedule		**Points**
Lecture Questions	Every Class	50
Exam I	Tuesday, February 2	100
Exam II	Tuesday, February 23	100
Exam III	Tuesday, March 23	100
Exam IV	Tuesday, April 13	100
Final Exam	**Wednesday, May 5 2:45-4:45 PM**	200
	TOTAL PTS.	**550***

*Your final grade will be calculated from a combination of your Lecture Question points (50 pts.), the **best three (3)** of four (4) midterm exams (300 pts.) and the final comprehensive exam (200 pts.).

*****Academic dishonesty may lead to failure of this course.**
Read the University policy about this subject.***

Exams and Grading

Lecture Questions: You are required to bring your clicker to ***every*** class. You will be given 3-4 questions to answer during every class meeting. Correct answers are worth 0.5 points and incorrect answers are worth 0.3 points. Lecture questions cannot be made up if you miss class for any reason. A buffer of 6 points has been figured in so that missing some questions throughout the semester will not penalize you.

SI Sessions: Our class is lucky to be participating in the Supplemental Instruction (SI) program here on campus. Throughout the semester study sessions will be held by trained SI leaders. These sessions give you an opportunity to review the material covered in class and to ask questions in a non-threatening environment..

MIDTERMS: You will be given four, one hour midterm exams each worth 100 points. The exams will consist of 50 questions and will cover the material covered in lectures and the corresponding textbook material.

FINAL EXAM: The final exam is comprehensive and will consist of 100 multiple choice questions. Make sure to check the date and time of the final exam so that you can schedule accordingly. **"I have to work," is not a legitimate excuse for rescheduling the final exam.**

Exams will be scored as % correct points, which will correspond to a letter grade according to the table below. This scale is based on the assumption that knowledge of more than 50% of the material is needed to pass this course.

GRADE	% CORRECT	GRADE	%CORRECT
A	90 – 100	C	67 - 70
A-	87 – 89	C-	63 - 66
B+	83 – 86	D+	59 - 62
B	79 – 82	D	55 - 58
B-	75 – 78	D-	51 - 54
C+	71 – 74	F	0 - 50

*** Any student listed in the course after March 26th can only receive a grade of A – F

Any student who stops attending class after taking the first test will receive a grade F for all the missed tests, ***unless that student withdraws from the course by March 26th***.

I will only assign **IN** grades in extraordinary cases when unexpected conditions prevent a student from completing the course within the term of enrollment. An IN grade must be removed at the earliest possible time.

Classroom Rules

1. **Attendance** is not mandatory, however, I will cover key points in lecture and you cannot make up missed lecture questions. If you do attend lecture, I expect your full attention. **Cell phones, pagers, arriving late/leaving early and talking are not acceptable.** It is *your responsibility* to get the notes if you miss lecture. My powerpoint presentations are available on WebCT. If you have questions about the missed material I will go over the material with you in my office.

2. Be sure to bring a **#2 pencil, an eraser and your valid UT student ID card** to each examination. No student will be permitted to take the exam without proper identification.

3. Examinations start and end at specified times. Under no circumstances will students be admitted to an exam, which has been in progress for longer than 10 minutes.

4. **I ONLY GIVE MAKE-UP EXAMS WITH A VALID WRITTEN EXCUSE.** If you must miss an exam you must contact me within 24 hours to schedule the make up exam. When we meet you must have a written excuse. If proper documentation is not provided then the missed exam will be scored as your lowest exam score for the semester. If you know in advance that you must miss an exam for a legitimate reason then please see me to schedule an early exam.

5. Please see me by the end of the first week of classes if you have special needs concerning testing. Make sure to bring me the proper documentation along with your full name and student number. You may take the exams with no time limit in the Student Testing center (GH1004).

Reading List

Chapter 2	Life and Chemistry: Small Molecules (p. 15)
Chapter 3	Life and Chemistry: Large Molecules (p. 35)
Chapter 6	Energy, Enzymes and Metabolism (p. 106)
Chapter 4	Cells: The Basic Units of Life (p. 61)
Chapter 5	Cellular Membranes (p. 87)
Chapter 7	Cellular Pathways that Harvest Chemical Energy (p. 125)
Chapter 8	Photosynthesis: Energy from the Sun (p. 145)
Chapter 9	Chromosomes, the Cell Cycle, and Cell Division (p. 164)
Chapter 43	Animal Reproduction (p. 820)
Chapter 10	Genetics: Mendel and Beyond (187)
Chapter 11	DNA and Its Role in Heredity (213)
Chapter 12	From DNA to Protein: Genotype to Phenotype (p. 233)
Chapter 13	The genetics of Viruses and Prokaryotes (p. 257)
Chapter 14	The Eukaryotic Genome and Its Expression (p. 279)