

**Fundamentals of Life Science I
Spring 2010**

Biology 2150

Section 001

MTWR 8:00-8:50 AM

DC 1019

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: (419)530 – 4585

Email: sally.harmych@utoledo.edu (I will also answer questions pertaining to the course via email)

Required Materials:

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 The website provides information for the course such as the course syllabus, email and a discussion board.

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	Monday, February 1	100
Exam II	Monday, February 22	100
Exam III	Monday, March 22	100
Exam IV	Monday, April 12	100
Final Exam	Monday, May 3	<u>200</u>
	8:00 - 10:00 AM	
	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*****

Evaluation

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.

Lecture Exams: 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 questions (200 pts.). 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.**

Grading Scale: 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.

<u>GRADE</u>	<u>% CORRECT</u>	<u>GRADE</u>	<u>%CORRECT</u>
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 of 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 by the end of the following semester.

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. Please 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. **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 in a small group setting.
6. 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 in the Student Testing center (SA1130-1150).

Reading List

Chapter 1	Studying Life (p. 2)
Chapter 21	The History of Life on Earth (p. 464)
Chapter 22	The Mechanisms of Evolution (p. 486)
Chapter 23	Species and Their Formation (p. 508)
	**The Diversity of Organisms – the non-animal phyla
Chapter 31	Animal Origins and the Evolution of Body Plans (p. 670)
Chapter 32	Protostome Animals (p. 690)
Chapter 33	Deuterostome Animals (p. 716)
Chapter 40	Physiology, Homeostasis, and Temperature Regulation (p. 854)
Chapter 51	Salt and Water Balance and Nitrogen Excretion (p. 1092)
Chapter 41	Animal Hormones (p. 874)
Chapter 42	Animal Reproduction (p. 896)
Chapter 44	Neurons and Nervous Systems (p. 942)
Chapter 45	Sensory Systems (p. 964)
Chapter 47	Effectors: How Animals Get Things Done (p. 1004)
Chapter 48	Gas Exchange in Animals (p. 1024)
Chapter 49	Circulatory Systems (p. 1044)
Chapter 50	Nutrition, Digestion and Absorption (p. 1068)
Chapter 52	Ecology and the Distribution of Life (p. 1112)
Chapter 53	Behavior and Behavioral Ecology (p. 1140)
Chapter 56	Ecosystems and Global Ecology (p. 1204)

**** Extra reading for our unit on diversity can be found in Chapters 26-30.** I will be doing a small bit from each chapter to illustrate the basic characteristics of each group and their place in evolution.