

BIOL 1413 (4:3:3)

GENERAL ZOOLOGY

FALL 2017

DIVISION OF ARTS & SCIENCES

BIOLOGY DEPARTMENT

SOUTH PLAINS COLLEGE

Dr. Wages

COURSE INFORMATION SHEET

BIOL 1413/DR. WAGES/FALL 2017

OFFICE: S-123; **PHONE:** 716-2306

EMAIL: swages@southplainscollege.edu (*Best email to reach me*)

OFFICE HOURS: MW – 9:00 -- 11:00 & 2:00 -- 4:00; Friday – 9:00 -- 11:00

DAY	DATE	LECTURE TOPIC	LAB TOPIC
1	29 <i>August</i>	Course Introduction/ Life Defined	Blackboard/Chem. Hygiene
2	31 st	Chemistry of Life	The Metric System
3	5 <i>September</i>	Organic Chemistry/ The Cell	Microscope Use/ Cheek Cells
4	7 th	The Cell/ Cell Membrane Structure	Enzyme Lab
5	12 th	Membrane Transport/ Metabolism	Review for exam one
6	14 th	EXAM ONE	
7	19 th	Mitosis/ Meiosis/ Genetics	Mitosis; Genes in Bottle
8	21 th	Mendelian Genetics	Genetic Problems
9	26 th	Nucleic Acid Structure/ DNA Replication/ Protein Synthesis	Transcription/ Translation
10	28 th	Mutations/ Evolution	Bone Identification
11	3 <i>October</i>	Natural Selection/ Evidence for Evolution	Bone Identification
12	5 th	EXAM TWO	
13	10 th	Classification/Symmetry/ Levels of Organization	Protista
14	12 th	Protostomes vs. Deuterostomes/ Protista	Sponges/ Cnidarians
15	17 th	Porifera/ Radiate Animals	Platyhelminthes
16	19 th	Platyhelminthes	Molluscs/ Annelids
17	24 th	Molluscs/Annelids	Nematodes
18	26 th	Nematodes/Arthropods	Arthropods
19	31 st	EXAM THREE	
20	2 <i>November</i>	Echinoderms/ Chordate Introduction/ Invertebrate Chordates	Echinoderms/ Urochordata/ Cephalochordata

21	7 th	Fishes/ Amphibians	Fish/ Perch Dissection
22	9 th	Amphibians/ Reptiles	Frog Dissection/ Reptiles
23	14 th	Birds/Mammals	Bird/Mammal Classification
24	16th	EXAM FOUR	
25	21 st	Animal Form & Function/ Circulatory System	Pig Dissection
26	23 rd	<i>Thanksgiving Holiday!!</i>	
27	28 th	Circulatory System/ Respiratory System	Pig Dissection
28	30 th	Respiratory System/ Digestive System/ Nervous	Pig Dissection
29	5 <i>December</i>	Nervous System/ Endocrine System	Pig Dissection
30	7 th	Urinary System/ Reproductive System/ Reproductive Health	Pig Dissection
31	12th	EXAM FIVE: (not comprehensive) SEC. 003: 10:15 AM (TUESDAY) SEC. 004: 1:00 PM (TUESDAY)	<i>NOTE THAT THIS IS NOT YOUR REGULAR CLASS TIME!!</i>

Last Day to Drop the Course is 16 November

CLASS INFORMATION:

There will be **five exams** (including the final). Exam material will come from the lecture presentations, and the labs (your green manual). Each of the five exams will be worth 100 points. **Make-up exams normally are not given, particularly for the lab portion of the exam.** If you let me know prior to the exam that you will not be able to make an exam date I will attempt to reschedule, but again, it may not be possible. **If you miss an exam and do not contact me before noon of the next day, I will not consider a makeup exam.** If permission is granted for a make-up exam there will be a **5 percentage point penalty, regardless of the excuse.** On exam days you will need to bring one or two a red-colored, 100-answer scantron sheets (available in the SPC bookstore) and a no. 2 pencil.

In addition to the five major exams there will be quizzes at the beginning of most classes. Your accumulated quiz average will be equal to one major exam. Therefore, your grade will be based on 6 scores-- the 5 exam scores and your quiz average. If you are late to class you will receive a zero for that day's quiz. **There will be no quiz makeups. Also, your quiz will not be graded if you do not stay for class, including the lab.** See the last page for a place to record your grades.

Grading scale: 90-100 = A; 80-89 =B; 68-79 = C; 60-67 = D; <60 = F.

Attendance and punctuality are mandatory. **If you have more than 3 absences you can be dropped from the course (even if you have a passing grade).** If you come in late, let me know during break or after class so you will not be counted as absent. **November 16th is the last day you can drop** this class without receiving a letter grade. To avoid being dropped and receiving an "F" please come see me if you are having problems. ***Do not simply quit attending.***

The textbook: "Zoology"; Miller & Harley, 10th ed. (Older editions are acceptable). The text is highly recommended, but not required. You do not have to bring your textbook to class.

The lab manuals:

- 1) Van de Graaff & Crawley's "A Photographic Atlas for the Zoology Laboratory", 7th ed.
- 2) "Lab Manual for BIOL 1413", Dr. Wages, available in the SPC bookstore. It is spiral-bound with a green cover with turtles on the front. Please ***write your name*** on the front cover. **You do need to bring this lab manual to every class.**

The lecture material will be presented using PowerPoint presentations. The presentations will be made available on ***Blackboard***, through Campus Connect. However, please understand that **you will still need to take notes in class.** In addition, other study aids, such as review questions, will be made available on Blackboard. You can use the Technology Center to print your notes. You are given 60 pages/week for free. After that it is 5 cents/page. You can set it up through papercut.southplainscollege.edu. You must access it through your SPC email account.

To obtain the class notes:

1. Go to the SPC homepage: <http://www2.southplainscollege.edu/>
2. Click on ***Blackboard***.
3. Enter your **user name**. Your user name is the first name initial, last name, followed by the last 4 digits of your student ID number. It should be all in lower case. For example, Joe Student's would be `jstudent1234`. This is your SPC Domain Name that can be found under your photo on campus connect. If you have lost your student ID number, I can give it to you.
4. Enter your **password**: this is your Campus Connect Pin Number that you use for your email.
5. Click on BIOL 1413 GENERAL ZOOLOGY. Open up the current unit and select your topic.

NOTE: If you have problems click on *Check Browser* to see if you need to download a file. If you still have problems contact Ms. Walker at 716-2180 for help.

Class Rules:

Safety Rules: You will be given a form to sign, indicating you understand the lab safety rules. The main rules for this class are listed here for quick reference.

1. **Eating is not allowed in class or lab.** It is disruptive and not safe. Points will be deducted for offenders!!! Drinks are allowed except during certain lab activities, such as during animal dissections or when we work with toxic chemicals. However, if you spill a drink you are responsible for the cleanup.
2. You must conduct yourself in a responsible manner at all times during class.
3. **Be careful not to block aisles with your backpacks.**
4. No tobacco products are allowed in class.
5. During lab confine long hair and loose clothing.
6. Wear closed-toed shoes in the lab.
7. When instructed goggles and/or gloves must be worn. These will be provided.
8. **Short pants and sleeveless shirts should not be worn during lab activities.** Students that dress inappropriately for lab may not be allowed to participate (you may bring a lab coat).
9. Consultation of a physician is recommended if you might be pregnant or have a medical condition that may worsen due to chemical exposure.

General Rules:

10. Please do not use your cell phone during class. Do not text during class, and do not leave class to answer phone calls. **You will receive a zero for that day's quiz for violating these rules.**
11. You may bring a laptop to class but during class it is to be used only for following the lecture presentation.
12. Do not get in the habit of leaving class during lecture. Get your Kleenexes, etc. before class.
13. If you are late for class, please come on in (quietly). If you are habitually late you will be dropped from the course, so see me if there is a problem.
14. Sleeping in class is not allowed.

15. Attending lecture, but skipping lab counts as an absence. Lab time is a critical part of the course that is usually impossible to makeup on your own.
16. Do **not** feel free to schedule doctor appts., etc. during class or lab time. **There are no excused absences**, except for school sponsored activities.
17. Cheating will result in dismissal from class and an automatic grade of F for the class.

SOUTH PLAINS COLLEGE DISABILITY STATEMENT:

Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Reese Center (Building 8) & Lubbock Center 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

SOUTH PLAINS COLLEGE DIVERSITY STATEMENT:

In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

RECORD YOUR GRADES:

QUIZ 1 _____

QUIZ 2 _____

QUIZ 3 _____

QUIZ 4 _____

QUIZ 5 _____

QUIZ 6 _____

QUIZ 7 _____

QUIZ 8 _____

QUIZ 9 _____

QUIZ 10 _____

QUIZ 11 _____

QUIZ 12 _____

QUIZ 13 _____

EXAM 1 _____

EXAM 2 _____

EXAM 3 _____

EXAM 4 _____

EXAM 5 _____

QUIZ AVERAGE = _____

EXAM AVERAGE = _____

GRADE = **(0.17) (QUIZ AV) + (0.83) (EX AV)**