

**INSTRUCTOR:** Dr. Lani Lyman-Henley **Cell phone:** 972-571-1042 \*\*  
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**Office:** STC 237 (Science & Technology Center) **Office Phone:** 903-886-5372  
**Animal Care Facility:** STC 254 **ACF Phone:** 903-886-5249  
**Course Website:** at eCollege (<http://online.tamuc.org>) **Home Phone:** 972-722-1568\*  
**Office Hours:** MTWF 11-12; email & Virtual Office (at eCollege) anytime

\*Note on phone calls: Please leave a message with your name, number, and basic reason for calling; my husband and I are both "Dr. Henley," and both get a lot of correspondence on various topics, and I don't call back mystery numbers.

\*\* Cell phone does text messaging as well (others do not).

### REQUIRED TEXTBOOKS

*Zoology, 9<sup>th</sup> Edition.* Miller & Harley. 2012. McGraw-Hill.

Note that the bookstore carries the less-expensive loose-leaf version of the textbook (ISBN-9780077753337); it will have a different cover picture than the one at Amazon.com ☺.

There is no pre-printed laboratory manual for this course- materials will be available in lab and via eCollege.

**COURSE MEETING TIME/PLACE:** MWF 10:00 –10:50, STC (SCIENCE) 127

**COURSE DESCRIPTION:** This course is designed for students majoring in Agricultural Science, Plant and Soil Science, Wildlife and Conservation Science, and in Environmental Science. This course is designed to complement *BSC1411 General Botany* with a minimum of overlap, but does include enough Genetics and other basics to understanding biology as needed.

**Semester Hours:** Four Lecture Lab/ Clock Hours (3 lecture, 2 lab)

**LABORATORY:** You **must** be enrolled in a BSc1413 laboratory section in order to receive credit for the course. The laboratory will account for **20%** of your final grade. *The laboratory sessions will begin the SECOND week of classes.* You will receive a complete schedule, syllabus, and further instructions from your Lab Instructor at the first meeting. All labs meet in STC 217. Spring 2013 Lab schedule information:

BSC 1413L. 01L	Mondays	4:00-5:50	STC 217
BSC 1413L. 02L	Tuesdays	1:00-2:50	STC 217
BSC 1413L. 03L	Wednesdays	4:00-5:50	STC 217

**ATTENDANCE:** Attendance is mandatory, and a seating chart may be used for ease of recording attendance. Repeated unexcused absences or disruptive behavior such as talking during lecture or repeated tardiness will negatively affect grades (especially if borderline); similarly good attendance and behavior will be rewarded via attendance/participation credit. Missing 20% or more of lecture (unexcused absences) will result in a grade of F for the course. Note that Labs have similar policies, and failing lab will virtually assure failing the course.

**MATERIAL:** This course is intended as a foundation-building course for several practical sciences, including students of Wildlife & Conservation, Animal Sciences, Plant & Soil Sciences, etc. You are expected to read all textbook chapters corresponding to topics covered in lecture, and you are expected to allot adequate time to *regularly* studying the material on your own. It is also strongly recommended that you read the preface of the textbook, with hints on how to best use it. We will not use every chapter of the textbook in lecture, and we may discuss some aspects in more detail than your text goes into- so be sure to keep up with lecture notes too! If you miss a lecture, you are still responsible for that day's material- read the chapter, get notes from someone in class, and see me for any clarification. If you have difficulty with the material, feel free to see me *as soon as you can* for advice on how best to improve.

**OUTCOMES & ASSESSMENTS:** With successful completion of this course, students will be able to demonstrate understanding of the following concepts by definition, explanation, and use of these ideas in examinations and laboratory exercises:

- Fundamental concepts of biology (with emphasis on animal systems), including aspects of cellular and molecular function as well as genetics and evolution.
- Biodiversity and structure/function of organisms traditionally covered in zoology courses- invertebrate and vertebrate animals, as well as protozoan protists.
- Fundamental aspects of animal ecology and conservation.

In addition, students will communicate ideas and concepts developed in the course through written and multimedia presentations.

**CORE LEARNING OBJECTIVES:**

- Students will be able to discern between relevant and irrelevant information, recognize bias in source material, and critically examine a diversity of source material.
- Students will demonstrate the ability to synthesize a cogent body of knowledge from various sources of information, acknowledge the contributions/insights of others, and make independent judgments.
- Student communication will be clear, purposeful, and make appropriate use of evidence, data and technology as applicable.
- Students will be able to interpret, test and demonstrate principles revealed in empirical data.
- Students will be able to work together toward a shared purpose relevant to the course or discipline with a sense of shared responsibility for meeting that purpose.

**EXAMS AND GRADING:** Grades will be computed based on a "10-point scale" such that a total of 90% or higher of possible points will result in a grade of A, between 80% and 89.9% a B, and so on. If your total is lower than 60% of the class points you will fail the class (yes, that's an F). The points are planned to be as follows:

3 exams (100 pts. each)	300
1 Final exam (150 pts.)	150
2 writing assignments (100 pts. each)	200
Quizzes, Homework, etc.	<u>150</u>
	<b>800</b>
<i>Laboratory*</i>	<u>200</u>
<b><i>Total BSc131 course grade</i></b>	<b><i>1000</i></b>

\***Note** that lecture counts for 80% of the total course points, while the laboratory counts for the other 20%. **I** am not in control of your laboratory grade, only the lecture portion of the class.

Exams will be a mixture of objective, short-answer, and short-essay questions drawn from lectures and assigned readings from the book and occasional hand-outs or websites. You are expected to read all assigned text, preferably including a preview of the material before class to facilitate questions and discussion. There are NO drop grades for exams, so take each exam seriously!

Writing assignments will be detailed in separate handouts. “Quizzes, etc.” includes points from any quizzes given, attendance/participation credit, *eCollege* assignments, or anything else that crops up. Studying together can be highly beneficial, but exams and turned-in assignments must be done individually. Cheating, plagiarism, and disruptive behavior will not be tolerated.

**Exam Procedure:** You may have assigned seating for exams (not quizzes!). You may only take #2 pencils (& erasers) with you to your seat; scantrons & any additional writing paper will be provided. You may NOT have bags, notes, hats or hoods, sunglasses, headphones, cell phones, etc. with you during exams- all such other items must be left in the front of the classroom, with electronics turned off/silenced and stored. Any student caught cheating on an exam will receive a zero for that exam.

**MAKE- UP WORK:** In the case of a missed exam, with presentation of a valid and documented excuse you may arrange for a make-up exam. Such make-ups MUST be scheduled with **me** within 7 days of the missed test (if you are not in town, pick up the telephone or have a friend do it), and will be mainly short answer or essay in nature. Lack of such arrangements will result in a score of **0** for that test, and only ONE exam may be made up in this fashion. Such make-up exams will be given during finals week ONLY. Extreme circumstances will always be taken into consideration- SEE ME before you assume anything.

### **RESOURCES:**

There are a variety of resources at your disposal to aid with your studies. This lecture is “Web Enhanced”- it has an *eCollege* site that you will be expected to use regularly; you can enter via your MyLeo account, or go directly to <http://online.tamuc.org>. There are also a wide variety of study aids available at most text’s websites- check your textbook’s introductory pages for links and other such information.

You may also find useful the **Academic Success Center** services, which include tutoring and workshops (including such topics as “Managing Test Anxiety”): <http://www.tamuc.edu/CampusLife/CampusServices/AcademicSuccessCenter/default.aspx>  
Try out these features early, while they have time to help you!

And of course the Academic Calendar, which does include information regarding University holidays, deadlines to add, drop, withdraw, and other such activities. This page also includes the link to each semester’s Final Exam schedule (which may also be useful for your other courses):

<http://www.tamuc.edu/admissions/registrar/academicCalendars/final-exam-schedule.aspx>

### TENTATIVE SCHEDULE OF EVENTS\*

**Note on Scheduling:** Most weeks there will be some lectures devoted to “Concept” Chapters (listed first), as well as at least one lecture devoted to “Diversity” Chapters (listed second). There may be some overlap depending on time taken to finish a topic.

<b>WEEK</b>	<b>START DATE</b>	<b>TEXTBOOK TOPIC(S)</b>	<b>TESTING**</b>
1	Jan. 19	Ch. 1: Introduction to the Course and Zoology [Monday Holiday]	
2	26	Ch. 2: Cells, Tissues & Organs Ch. 7: Classification	<b>Quiz 1</b>
3	Feb. 02	Ch. 3: Cell Division Ch. 8: Protozoans	
4	09	Ch 3: Inheritance (expanded) Ch. 9: Multicellular & Tissue-Level Phyla	<b>Exam 1</b>
5	16	Ch. 3: Inheritance (continued) Ch. 10: Tribloblastic Phyla	
6	23	Ch. 4: Evolution I Ch. 11: Mollusca	<b>Quiz 2</b>
7	Mar. 02	Ch. 5: Evolution II Ch. 12: Annelida	
8	09	Ch. 13: Pseudocoelomate Phyla	<b>Exam 2</b>
<b>16</b> <b>Spring Break- No Classes</b>			
9	23	Ch. 6: Ecology Ch. 14: Arthropoda	<b>Quiz 3</b>
10	30	Ch. 6 Ecology (cont.) Ch. 15: Hexapods	
11	Apr. 06	Ch.16-17: Deuterostomes	<b>Exam 3</b>
12	13	Ch. 34: Behavior (Online) Ch.18: Fishes	
13	20	Ch. 19 & 20: Amphibians & Reptiles	<b>Quiz 4</b>
14	27	Ch. 21: Birds	
15	May 04	Ch. 22: Mammals	
<b>16</b>	<b>11</b>	<b>10:30 – 12:30 Finals Period</b>	<b>FINAL EXAM</b>

\*This schedule is a general outline for your reference and is subject to change. Any changes will be announced in class and at the course website(s); you will be responsible for keeping up with them. Cell phones/pagers should be silent during class time.

\*\*Testing will usually be on Friday; exact dates will be announced at least one week in advance.

**Final Exams** are already assigned to specific dates at this time (see

<http://www.tamuc.edu/admissions/registrar/academicCalendars/final-exam-schedule.aspx> )

### OTHER NOTES (INCLUDING OFFICIAL UNIVERSITY STATEMENTS/AKA: THE FINE PRINT)

It is the responsibility of the student to inform me of any problems you may have affecting your performance in class, be it due to professionally diagnosed disability, personal or work-related problems, or anything else that comes up, so that appropriate adjustments can be made.

### **Students with Disabilities:**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

**Office of Student Disability Resources and Services, Texas A&M University-Commerce, Gee Library, Room 132, Phone (903) 886-5150 or (903) 886-5835, Fax (903) 468-8148, email [StudentDisabilityServices@tamuc.edu](mailto:StudentDisabilityServices@tamuc.edu)** (or visit <http://www.tamuc.edu/CampusLife/CampusServices/studentDisabilityResourcesAndServices/default.aspx>)

### **Regarding student conduct**

“All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. See Student's Guide Handbook, Policies and Procedures, Conduct.” Please be advised that students who are disruptive to class activities will be dropped from the class and may face further disciplinary action.

### **Plagiarism**

“*Plagiarism* is a criminal activity. You must cite all sources of information. Unreferenced copying of material, whether parts of sentences, whole sentences, paragraphs or entire articles, will result in a score of zero for your essay and can result in further disciplinary action.” Note that this is true throughout the University and we do have plagiarism-detecting software in place. Of special note in an online environment- “cut and paste” from websites without appropriate citation IS plagiarism, yet putting everything in quotation marks is not an acceptable alternative. You must learn to construct your own sentences with information you find (and changing a couple of words in a sentence or reordering sentences in a paragraph are not enough). If you have any questions about what is considered plagiarism or wish advice on avoiding it, please contact your instructor.

### **EARLY INTERVENTION FOR FIRST YEAR STUDENTS:**

Early intervention for freshmen is designed to communicate the University's interest in their success and a willingness to participate fully to help students accomplish their academic objectives. The university through faculty advisors and mentors will assist students who may be experiencing difficulty to focus on improvement and course completion. This process will allow students to be knowledgeable about their academic progress early in the semester and will provide faculty and staff with useful data for assisting students and enhancing retention. Grade reports will be mailed by the end of the sixth week of the semester.

### **FINAL NOTE:**

I make efforts to conserve resources (and cost) in providing materials for class. All materials provided in class are to be found at the eCollege website. I will not provide hard-copy handouts of anything that you can access there- you may print what you need, when you need it; or just download a copy to have handy. Clearly computer access is assumed of all students. If you do not have one of your own (or your online access is limited), there are computer labs available all around campus- Gee Library most notably, and more locally Science building room 210 (aka the JAMP room). You may need to provide your own paper for printing, or pay a charge. Also, places like Staples and OfficeDepot will print materials for a reasonable fee if you bring your flash-drive. Last bit of advice: **Get a Calendar. Learn how to use it.** ☺