

# Syllabus for General Zoology, BIOL 1413 Sec. 02, Spring 2018

LDB 214, T/Th 12:30-1:50pm

**Instructor:** Dr. Patrick J. Lewis

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**Office:** AB4 105

**Office Hours:** By appointment

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## Course Description:

Zoology is the study of animals. This course covers aspects of animal behavior, structure, function and evolution. All major animal groups are explored, with the most class time given to the largest groups. In addition to learning the specific characters these groups of animals exhibit, we will also examine how body form is related to function, environment and evolution. This course also includes an introduction to science in general, and to evolution and the evolutionary processes that account for the diversity of animal life. Course format is lecture and discussion, although a separate companion lab is required.

## Course Objectives:

- To understand what science is and how it works.
- To understand evolution and evolutionary processes, and how evolution has led to the diversity of animal life today.
- To learn the taxonomic organization of major animal groups, and how we reconstruct the relationships between animal groups.
- To learn the basic anatomy and behaviors of selected forms of animal life.
- To recognize how animals are built and how their body plans shape their behavior.
- To understand how animal communities are organized and how our behavior impacts them.

**Required Textbook:** *Integrated Principles of Zoology 17<sup>th</sup> edition*, by Hickman, Roberts, Larson, l'Anson, & Eisenhour. McGraw Hill Publishers. 2017.

**Required Supplies:** Four Scantron forms no. 882-E. **Always have these with you, not just on exam day.**

**Attendance Policy:** In accordance with University policy, I expect regular and punctual attendance. While attendance will be taken, **no points will be awarded or subtracted based on your attendance.** Not attending class will have a detrimental impact on your grade, however.

**Readings:** It is expected that you will have read each chapter or assigned reading before class. We will discuss the chapters and I will randomly call on students to provide definitions or explain concepts from the text. I will usually provide guidance for what to focus on as you read.

## GRADES:

**Exams:** There will be **four mandatory, comprehensive, cumulative exams** during the semester. The first will be worth 10% of the final course grade, the second worth 15%, the third 25%, and the final worth 30%. If you are late to an exam you will not be granted extra time to finish. **The exams will be true/false, multiple choice, matching, and fill in the blank. The class is comprehensive in nature as are the exams.**

**Lab:** Please refer to the lab syllabus provided to you in your lab section's Blackboard page for any specific policies and procedures regarding lab. The lab grade will be worth 20% of the course grade. **Lab is not organized or controlled by the lecture instructor or TA. All questions about lab should be addressed to Dr. Lori Rose at BIO LAH@shsu.edu.**

**Make-Up Policy:** If you miss an exam due to a university accepted reason and this is **properly documented and approved by the Dean of Academic Affairs Office**, you may retake them. Otherwise, any makeups must be organized ahead of the exam. **These makeups will be essay in format and will only be administered immediately following the final.**

**Grading Distribution**

Exam 1	10%
Exam 2	15%
Exam 3	25%
Final Exam	30%
Lab	20%
<b>Total</b>	<b>100%</b>

**Grading:** Lecture exam grades will be curved, such that the highest score in the class will be curved up to a 100%. The number of points required to raise the highest score in the class to 100% (not to exceed 10% of the exam points) will then be added to the scores of all students (e.g., if the highest score on the final exam is an 95 points, every student will get 5 points added to their score).

Blackboard does not weight assignments as described in the syllabus so it is not a reliable estimate of your overall course grade. I will not predict what you need to make on exams to get a particular overall course grade – you can easily do this yourself. Should an error be made in scoring exams, **I must be informed within a week of the time exam grades are posted. Corrections will not be considered after that period.**

**After Exam 1:**

Exam 1 = 100% of your lecture grade, and 80% of your overall grade (lab grade = 20%)

**After Exam 2:**

Exam 1 = 33% of your lecture grade, Exam 2 = 66%

$(\text{Exam 1\%} \times .33) + (\text{Exam 2\%} \times .66) = \text{lecture grade percentage}$

Exam 1 and 2 make up 80% of your overall grade (lab grade = 20%)

**After Exam 3:**

Exam 1 = 20% of your lecture grade, Exam 2 = 30%, and Exam 3 = 50%

$(\text{Exam 1\%} \times .2) + (\text{Exam 2\%} \times .3) + (\text{Exam 3\%} \times .5) = \text{lecture grade percentage}$

Exam 1, 2, and 3 make up 80% of your overall grade (lab grade = 20%)

**After Exam 4:**

Exam 1 = 13% of your lecture grade, Exam 2 = 19%, Exam 3 = 31%, and Exam 4 (the final) = 37%

$(\text{Exam 1\%} \times .13) + (\text{Exam 2\%} \times .19) + (\text{Exam 3\%} \times .31) + (\text{Exam 4\%} \times .37) = \text{lecture grade percentage}$

Exam 1, 2, 3, and 4 make up 80% of your overall grade (lab grade = 20%)

**NO EXTRA CREDIT EVER. NO LATE WORK ACCEPTED WITHOUT PRIOR AGREEMENT, FOR ANY REASON, EVER.**

**Academic Dishonesty:** All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain complete honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action. The University and its official representatives may initiate disciplinary proceedings against a student accused of any form of

academic dishonesty including, but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials.

**Classroom Rules of Conduct:** Students will refrain from behavior in the classroom that intentionally or unintentionally disrupts the learning process and, thus, impedes the mission of the university. **Cellular telephones must be turned off and put away before class begins or you will receive a 0 on the next exam.** Students are prohibited from reading, sleeping, talking at inappropriate times, or engaging in any other form of distraction. Inappropriate behavior in the classroom shall result in a directive to leave class. Students who are especially disruptive may be reported to the Dean of Students for disciplinary action in accordance with university policy. See the attached form for more specifics on classroom behavior.

**Visitors in the Classroom:** Unannounced visitors to class must present a current, official SHSU identification card to be permitted in the classroom. They must not present a disruption to the class by their attendance. If the visitor is not a registered student, it is at the instructor's discretion whether or not the visitor will be allowed to remain in the classroom.

**Americans with Disabilities Act:** It is the policy of Sam Houston State University that no otherwise qualified disabled individual shall, solely by reason of his/her handicap, be excluded from the participation in, be denied the benefits of, or be subject to discrimination under any academic or Student Life program of activity. Disabled students may request assistance with academically related problems stemming from individual disabilities by contacting the Director of Counseling Center in the Lee Drain Annex or by calling (936) 264-1720. Students who have disabilities that may prevent them from fully demonstrating their abilities should contact the instructor as soon as possible to discuss accommodations necessary to ensure the students educational opportunity. All disclosures of disabilities will be kept strictly confidential. NOTE: no accommodation can be made until you register with the Counseling Center.

**Religious Holidays:** Section 51.911(b) of the Texas Education Code requires that an institution of higher education excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence.

University policy 861001 provides the procedures to be followed by the student and instructor. A student desiring to absent himself/herself from a scheduled class in order to observe (a) religious holy day(s) shall present to each instructor involved a written statement concerning the religious holy day(s). This request must be made in the first fifteen days of the semester or the first seven days of a summer session in which the absence(s) will occur. The instructor will complete a form notifying the student of a reasonable timeframe in which the missed assignments and/or examinations are to be completed.

Any student with a disability that affects his/her academic performance should contact the Office of Services for Students with Disabilities in the SHSU Lee Drain Annex (telephone 936-294-3512, TDD 936-294-3786) to request accommodations.

**Drop Note:**

To process a "Q" drop after the online drop closes, students must come to the Registrar's Office, Estill Building Rm. 331 between the hours of 8:00 A.M. and 5:00 P.M. No schedule changes may be made after the deadline specified in the Academic Calendar.

### Tentative Schedule

	Topic	Chapter	Lab
Jan 18	Syllabus, Zoo Introduction	1	
23	Science	1	Intro
25	Science, Cells, Genes	1, 2, 3	
30	Evolution	6	
Feb 1	Evolution	6	Evolution
6	Body Plans, Adaptive Landscapes	6, 8, 9	
8	<b>EXAM 1 (10%)</b>		
13	Exam 1 Review, Taxonomy	10	Phylogeny
15	Taxonomy and Phylogeny	10	
20	Sponges and Radiates	12, 13	Protists
22	Platyhelminths and Nemertea	14, 15	
27	Molluscs	16	Radiates
Mar 1	Annelids and Ecdysozoans	17, 18	
6	Arthropods (Chelicerates, Myriapods)	19	Lab Midterm
8	<b>EXAM 2 (15%)</b>		
13-15	Spring Break		
20	Exam 2 Review, Arthropods (Crustaceans)	21	Flatworms
22	Arthropods (Hexapods)	21	
27	Echinoderms	22	Molluscs/Annelids
29	Chordates	23	
April 3	Fish	24	Arthropods
5	Early Tetrapods, Amphibians	25	
10	Reptiles	26	Echinoderms and Chordates
12	<b>EXAM 3 (25%)</b>		
17	Exam 3 Review, Birds	27	Frog
19	Birds and Dinosaurs	27	
24	Mammals	28	Final Lab Exam
26	Behavior and Biogeography	36, 37	
1	Animal Ecology	38	
3	Extinction and Biodiversity	38	
	<b>FINAL EXAM (30%)</b>		

\*Remember, exams are CUMULATIVE. \*No make-ups without a Dean's excuse.

## Course Rules of Conduct

Please read the following statements and make sure you understand them. **If you feel you are unable to follow these, please find another section to attend.** Understand that if you do not follow these guidelines you may be dismissed from class, removed from the course all together, or referred for disciplinary action. To show that you have read and agree to these rules, copy and post this page onto Blackboard, using the turnitin link in the 'Syllabus' folder. **You will receive no points in the course until the form is returned.**

- \_\_\_\_\_ Cell phones, personal music devices, handheld computers, laptops, audio or video recorders or any other electronic device must be **turned off and put away** before class begins **or I will receive an F on the next exam.**
  
- \_\_\_\_\_ I will not receive any extra time to take an exam if I am late to class.
  
- \_\_\_\_\_ There is no talking allowed in this class outside of asking the professor questions or directed group activities.
  
- \_\_\_\_\_ There are no make-up exams **under any circumstances** unless you have an approved absence from the Dean's Office or prior approval.
  
- \_\_\_\_\_ There is never any extra credit given under any circumstance.
  
- \_\_\_\_\_ If you miss class for any reason, it is your responsibility to get the material from a fellow student.
  
- \_\_\_\_\_ Emails to my professor will be addressed to him, the class and section will be in the email, and I will sign the email with my full name. Otherwise I understand that my email may not receive a response.
  
- \_\_\_\_\_ I understand that Blackboard is only to be used for course related communication. Any other use is a violation of university policy and will be reported.
  
- \_\_\_\_\_ I have read this syllabus, understand the course structure and grading, and made a note of the exam dates.