Principles of Zoology
Biology 133.01, Maymester 2020

Instructor: Dr. Brent Burt  Class meeting time and place: M-F 8:00-11:15, Online D2L
Department: Biology  E-mail: dbburt@sfasu.edu
Online Office hours: M-F 10:00-11:00, and by appointment
Course online resources: D2L

Course Description:
4 semester hours, 3 hours lecture per week, 2 hours lab per week. Fundamental principles of animal life, including invertebrate and vertebrate animals. Required lab fee.

Student Learning Outcomes (Course Competencies):
1. Understand basic approaches to testing scientific hypotheses
2. Understand the fundamentals of evolution
3. Learn the diversity of animal anatomy and physiology
4. Learn animal classification and phylogenies
5. Learn traits, distribution and diversity of each major animal lineages

Program Learning Outcomes:
• PLO 1: The student will demonstrate a good knowledge base in biological concepts.
• PLO 4: The student will be able to design, carry out, and analyze experiments to answer biological questions using the scientific method.
• PLO 6: The student will demonstrate preparation for future career and educational goals.

General Education Core Curriculum
The Texas Higher Education Coordinating Board has identified six core learning objectives: Critical Thinking Skills, Communication Skills, Empirical and Quantitative Skills, Teamwork, Personal Responsibility, and Social Responsibility. SFA is committed to the improvement of its general education core curriculum by regular assessment of student performance on these six objectives.

By enrolling in Principles of Zoology you are also enrolling in a Core Curriculum Course that fulfills the Empirical and Quantitative Skills requirement. You will see this course on your D2L list.

At one point during the semester, you will receive a lab assignment that fulfills both the requirements of this course and the needs of Stephen F. Austin State University’s Core Curriculum Assessment Plan with the Texas Higher Education Coordinating Board. When you complete this one assignment, you need to upload the assignment to both your standard course dropbox determined by your Instructor and the “Core Curriculum” dropbox. The Core Curriculum dropbox will be identified by the Objective for which work is being collected. (Examples: Critical Thinking, Teamwork, Social Responsibility Empirical & Quantitative Skills, Personal Responsibility, Communication Skills-Written, Communication Skills-Written & Visual, and Communication Skills- Oral & Visual.) Please note that this only applies to the approved assignment. All other assignments should be submitted according to regular class operations.

When you complete the assignment mentioned above, you will upload the assignment to both the Principles of Zoology dropbox and the Empirical and Quantitative Skills dropbox. Please note that this only applies to the specific assignment listed in the matrix below. All other assignments should be submitted according to regular class operations. If you have any questions, please see your instructor, or contact the Office of Student Learning and Institutional Assessment at (936) 468-1130.

The chart below indicates the core objectives addressed by this course, the assignment(s) that will be used to assess the objectives in this course and uploaded to the D2L Empirical and Quantitative Skills dropbox this semester, and the date the assignment(s)
should be uploaded to the D2L Empirical and Quantitative Skills dropbox. Not every assignment will be submitted for core assessment every semester. Your instructor will notify you which assignment(s) must be submitted for assessment in the D2L Empirical and Quantitative Skills dropbox.

Grading Policy:
Your final grade in this course is determined by grades from the laboratory, lecture exams, lecture quizzes and participation in the course evaluation.

- 4 exams: 400 pts (100 pts each)
- In-class quizzes*: (14 @ 5 pts) 70 pts
- Online Evaluation: 5 pts

The lecture portion of your grade is determined by earning 90%, 80%, 70% and 60% of the available points for the associated traditional letter grade. The lecture portion makes up 3/4 of your course grade with the lab portion making up the remaining 1/4th.

Example:
Lecture Average: 92, Lab Average: 75
Final grade = 92 + 92 + 92 + 75 = 351, 351/400 = 87.8 %, B

Course Requirements:
This course is conducted entirely online. This means all lectures will be posted online for you to view and study as needed. I will be available for individual consultations M-F 10-11.

Quizzes will be administered via D2L from 8:00 AM to 11:30 PM on specific days listed in the course calendar. Students will be responsible for five points each quiz day with options to earn 2 bonus points per quiz. There will be no makeup for missed quizzes.

Exams will be a combination of multiple choice, matching and true/false questions that will be administered as quizzes on D2L from 8:00-11:30 AM on each exam day. The final exam is an optional comprehensive exam that will replace the lowest grade from the 4 regular exams. The final exam is also the makeup exam for anyone missing one of the 4 regular exams.

When studying for exams and quizzes, concentrate on lecture notes. Both lecture videos and copies of the text portions of my lecture notes are available on D2L. It is crucial that you download a copy of the lecture outlines and make additional notes on these outlines while watching the videos. The textbook should be considered supporting material for information presented in class lectures. Figures from the textbook will be key in many sections of the lecture notes. Additional information will occasionally be given in lecture videos and should be written into the core lecture outlines.

It is departmental policy to require students to complete online class evaluations at the semester’s end. This assignment is worth 5 points

Academic Integrity (A-9.1)
Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

Definition of Academic Dishonesty
Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit.

Please read the complete policy at http://www.sfasu.edu/policies/academic_integrity.asp

Academic dishonesty will result in immediate failure in this class.
Students with Disabilities
To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices/.

Withheld Grades Semester Grades Policy (A-54)
Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.

Course Calendar:

<table>
<thead>
<tr>
<th>Dates</th>
<th>Classroom Activity</th>
<th>Topics for This Week's Review and Quiz</th>
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<tbody>
<tr>
<td>11 May</td>
<td>Video 1- Zoology as a Science&lt;br&gt;Video 2- Hypothesis Testing&lt;br&gt;Video 3- Reproduction&lt;br&gt;Video 4- Development&lt;br&gt;Video 5- Digestion</td>
<td>Quiz 1 (videos 1-2)&lt;br&gt;Quiz 2 (videos 3-5)</td>
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<td>12 May</td>
<td>Video 6- Homeostasis&lt;br&gt;Video 7- Circulation, Respiration&lt;br&gt;Video 8- Integument, Muscles, Skeleton&lt;br&gt;Video 9- Nervous System</td>
<td>Quiz 3 (videos 6-7)&lt;br&gt;Quiz 4 (videos 8-9)</td>
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<td>13 May</td>
<td><strong>Exam 1</strong>, Videos 1-9&lt;br&gt;Video 10- Evolution, Videos 11-13- Animal Behavior</td>
<td>Quiz 5 (videos 10-13)</td>
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<td>14 May</td>
<td>Video 14- Phylogenies, Video 15- Animal Body Plans</td>
<td>Quiz 6 (videos 14-15)</td>
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<td>15 May</td>
<td>Video 16- Protozoa&lt;br&gt;Video 17- Porifera, Placozoa&lt;br&gt;Video 18- Cnidaria, Ctenophora</td>
<td>Quiz 7 (videos 16-18)</td>
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<td>18 May</td>
<td><strong>Exam 2</strong>, Videos 10-18.&lt;br&gt;Video 19- Acoelomorpha, Platyhelminthes&lt;br&gt;Video 20- &quot;Platyzoa&quot;, lophotrochozoans,</td>
<td>Quiz 8 (videos 19-20)</td>
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<td>19 May</td>
<td>Video 21- Molluscs, Video 22- Annelids&lt;br&gt;Video 23- Remaining Lophotrochozoans</td>
<td>Quiz 9 (videos 21-23)</td>
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<td>20 May</td>
<td>Video 24- Ecdysozoa I- Nematodes&lt;br&gt;Video 25- Arthropoda I–Chelicerates</td>
<td>Quiz 10 (videos 24-25)</td>
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<td>22 May</td>
<td>Video 28- Chaetognaths-Hemichordates&lt;br&gt;Video 29- Invertebrate Chordates&lt;br&gt;Video 30- “Fish”,</td>
<td>Quiz 12 (videos 28-29)&lt;br&gt;Quiz 13 (videos 30-31)</td>
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<td>Date</td>
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<td>25 May</td>
<td>Video 31- Amphibians</td>
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<td>Video 32- Reptiles (including birds)</td>
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<td>Video 33- Mammals</td>
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<td>Quiz 14 (videos 32-33)</td>
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<td>26 May</td>
<td><strong>Exam 4</strong>, Videos 26-33</td>
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<td>27 May</td>
<td><strong>Optional Final Exam</strong></td>
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