Biology 101 **Lecture Syllabus** **Spring 2010**

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Introduction:
World of Animals (Biol 101) reviews the evolution and biodiversity of animal life. It examines their anatomy, life histories, behaviors, and adaptations. The process of evolution is the underlying key that links all life. We will learn how scientists uncover evolutionary relationships, characterize animals, and create a broader understanding of their interconnectedness. From the earliest life forms to our own evolution, the animal world is one of the most fascinating subjects you'll ever explore. This non-majors biology course expects students to use this opportunity to discover the natural world around them.

Student Learning Outcome:
Successful completion of this course will allow you to confidently identify animals and understand their evolutionary position in the tree of life. In addition, you will learn how different animal taxa are both similar and different. Comparisons of anatomy, physiology, behavior, life history, and biogeography will be a part of this identification. You will also be able to place the origins of your own biology and how successive accumulations of traits have been acquired throughout evolutionary history.

Requirements:
I. Attendance- Mandatory attendance is required.
II. Text- *Animal Diversity* (5th Edition). By Cleveland P. Hickman, Jr., Larry Roberts, Susan L. Keen, Allan Larson, and David J. Eisenhour. McGraw-Hill Companies, Inc.
III. Study Habits- Expect to study approximately 12 hours per week.
IV. Access to Blackboard (http://blackboard.sdsu.edu/).
V. Test and Quiz Materials.
   A. Scantron form **#882-ES** (3 for exams).
   B. Scantron form **#815-E** (8 for quizzes).
   C. A pencil with a **good** eraser.

Course Format:
World of Animals (Biology 101) is an introductory biology course for non-majors. The class meets for 75 minutes twice a week (0930-1045 TTh) in NH-100. The laboratory section (Biol 101lL) is a separate course and is not required for enrollment in the lecture. Lectures will be supplemented with readings from the text. Three lecture periods have been set aside for exams and you can expect unannounced, in-class quizzes throughout the semester. A tentative lecture and examination schedule can be found on page 3 of this syllabus.

State Budget Cuts and Faculty Furloughs:
The devastating California state budget cuts prohibit faculty and staff at SDSU from working on two days per month during the 2009-2010 academic year. The faculty furlough prohibits faculty members from teaching, being on campus, doing research, and consulting with students on two days per month. Faculty furlough days vary from faculty to faculty. My furlough days are the following: Jan. 22, Feb. 12 and 15, March 12 and 25, April 23 and 26, and May 3 and 7. **On those days, office hours are cancelled and telephone and e-mail messages will not be answered. Class will cancelled on March 25.**

To avoid faculty and staff furloughs at SDSU in the future, you may want to contact your legislators in Sacramento so that they better understand how cutting the state budget for higher education affects your education and your future.

Powerpoint Slides:
I will post the Powerpoint slides for each lecture in Powerpoint and PDF format on the Blackboard website 24 hours before class. I am providing these as a note-taking aid. **NOTE: These slides are not the total lecture but are topic outlines to be used as an aid in note taking during lecture. They do NOT take the place of coming to class.**

Examinations, Quizzes and Grading:
Your grade will be determined by your performance on examinations and in-class quizzes. Exams will be multiple-choice and will consist of questions taken from my lecture notes. You will **not** be tested on material from the book unless it has been discussed in lecture. Four lecture exams have been scheduled. These three exams are of equal weight (100 points each). A grading scale will be formulated for each exam based on overall class performance. Exam keys will be put on the

class Blackboard site immediately after each exam. The scantron grading machine sometimes makes errors. If you believe there were errors made in the grading of your exam, you may request that it be re-graded by hand. **You have ONE WEEK after the scores for the exam have been posted on Blackboard to request a re-grade of your scantron.**
Here is the examination schedule for the semester:

Exam 1: February 25
Exam 2: April 8
Exam 3: May 18

If illness or other serious problems beyond your control prevent you from taking an exam, you are expected to provide some kind of verification of the reason, such as a note from Student Health Services. **Make-up exams (upon verified excused absence) will consist of fill-in-the-blank and other short-answer questions. You must contact me no later than one day after the regular exam** with a valid excuse to be accorded the privilege of taking a make-up exam.

In addition to exams, in-class quizzes will also be given and will make up about 20% of your grade. There will be 8 **unannounced** quizzes and each quiz will be worth 10 points. **Your lowest quiz score will be dropped**. **There are no makeup quizzes regardless of your reason for missing the quiz**.

Your semester grade will be based upon the **total number of points** that you accumulate on the three exams and your best 7 quizzes. A total of 370 points are possible for the semester. Straight letter grades (no +/-) will be assigned at the end of the semester.

I may give the entire class an opportunity to earn "extra credit" from time to time during the semester. **However, there's no such thing as "extra credit" on an individual basis.**

Adding, Dropping and Crashing:
February 2 is the last day to drop this or any other class, while **February 4** is the last day to add classes. Make sure you take care of **all** of your adding and dropping by these dates.

If the class is full and there are crashers attempting to get in, the following procedure will be instituted:
1. Crashers must **legibly** write their name and Red ID numbers on "crash cards" provided on the first day of class. Crash cards will not be accepted after the second lecture (**Tuesday, January 26**).
2. Crash cards will be drawn at random as space becomes available through drops during the add/drop period. Students whose names have been drawn will be announced at the beginning of each class period and they can obtain their Regline add code after class.
3. The last day for adding crashers will be **Thursday, February 4.**
4. You must be present on the day your name is called or your add code will be given to another student.

Cheating:
It is hoped that cheating will not be a problem in this course. Nevertheless, to avoid any possibility of you not recognizing what the consequences are, this is my policy**: If you are caught cheating on an exam or quiz, you will receive a zero on the exam or quiz. In addition, the event may be reported to campus judicial authorities, which may lead to additional actions by the University. NOTE: turning in work for other students in their absence from class IS CHEATING and will be dealt with as such.**

How To Succeed in Biology 101:
1. **Make coming to class a habit**. Scientific studies show that students who come to class get better grades than those who do not. **NOTE**: Simply obtaining the lecture slides from the class's Blackboard site is **NOT** a substitute for coming to class!
2. **Make use of my office hours to get help if you need it**. If you are not free during my office hours, make an appointment with me for some time that is convenient for both of us.
3. **Be on time to class**. Class runs from 0930 to 1045. Be ready to begin **promptly** at 0930 and don't plan on leaving before 1045.
4. **Be attentive in class**. Please sit quietly, pay attention and take notes. Turn off your cell phones and remove your iPod earbuds. Distractions and disruptions during lecture will not be tolerated; **I will ask you to leave if, in my judgment, you are being disruptive.**
5. **Ask questions**. If something in lecture isn't clear, don't be afraid to ask questions. Undoubtedly, someone else has the same question.
6. **Be organized**. Us a binder or folder to keep your notes, handouts, scantrons and any other course materials together all in one place. Bring your binder to class.
7. **Be prepared**. Read the assigned readings from the text and download the lecture slides **BEFORE** class.

BIOLOGY 101 LECTURE SCHEDULE – Spring 2010

Week #	Date	Topic	Text Chapter
1	January 21	1. The Nature of Life	1 & 2
	26	2. Darwin's Ideas Today I	1 & 4
	28	3. Darwin's Ideas Today II	1 & 4
3	February 2	4. Trunk of the Tree	5
	4	5. Animal Ancestors and Sponges	5 & 6
4	9	6. Jellyfish and Sea Anemones	7
	11	7. Flatworms	8
5	16	8. Clams, Snails and Squids (Mollusca)	10
	18	9. Segmented Worms	11
6	23	10. *Evolution* Video	Handout
	25	**EXAM 1**	
7	March 2	11. Arthropods I – Scorpions and Spiders	12
	4	12. Arthropods II – Isopods, Crabs and Shrimp	12
8	9	13. Arthropods III – An Insect's Life	12
	11	14. An Insect's Life (con't.) and other Ecdysozoans	9 & 13
9	16	15. Echinoderms	14
	18	16. Origin of Vertebrates	15
10	23	Lecture 17. Fishes	16
	25	**FURLOUGH DAY – NO CLASS**	
	30	**SPRING BREAK – NO CLASS**	
	April 1	**SPRING BREAK – NO CLASS**	
11	6	18. *Evolution* Video	Handout
	8	**EXAM 2**	
12	13	19. Moving to Land	17
	15	20. Modern Amphibians	17
13	20	21. Reptiles I – Making an Egg	18
	22	22. Reptiles II – Squamates	18
14	27	23. Reptiles III – Avian Ancestors	18 & 19
	29	24. Reptiles IV – Birds in Flight	19
15	May 4	25. Mammals I – Monotremes and Marsupials	20
	6	26. Mammals II – Placentals	20
16	11	27. *Evolution* Video	Handout
	18	**EXAM 3** (1030 - 1230)	