



Biology 101 Lecture Syllabus

Fall 2009

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Office Hours: T 8-9:00am; Th 8-9:00am

Introduction:

The 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. Books- *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. The laboratory section is separate from the lecture and is not required.

Grading:

You are responsible for conducting yourself within the rules of the university, as outlined by the **Center for Student Rights and Responsibilities**. All instances of academic dishonesty will be reported to university officials. Grading will be based on 3 exams and 6 quizzes. The following breakdown is an approximation of the point distribution for the quarter. Exams and quizzes must be taken on the scheduled day.

<u>Grading Scale</u>		<u>Point Sytem</u>	
100-92.0%	= A	6 Quizzes	- 120 points
91.9-90.0%	= A-	Midterm 1	- 150 points
89.9-87.0%	= B+	Midterm 2	- 150 points
86.9-82.0%	= B	Final Exam	- 200 points
81.9-80.0%	= B-		
79.9-77.0%	= C+	Total	- 620 points
76.9-72.0%	= C		
71.9-70.0%	= C-		
69.9-67.0%	= D+		
66.9-62.0%	= D		
61.9-60.0%	= D-		
below 60.0%	= F		

Meeting Time & Place:

Tuesday & Thursday 9:30-10:45am

Room: HH 130

WebSite: Blackboard or at www.sci.sdsu.edu/classes/biology/bio101/hollingsworth

Information is subject to change at anytime during the semester
You will be notified during the lecture period if it should

Biology 101 Lecture Schedule

Week #1	T Th	Sept. 1 Sept. 3	1. The Nature of Life 2. Darwin's Ideas Today I	Chapter 1 & 2 Chapters 1 & 4
Week #2	T Th	Sept. 8 Sept. 10 QUIZ	3. Darwin's Ideas Today II 4. Trunk of the Tree	Chapters 1 & 4 Chapter 5
Week #3	T Th	Sept. 15 Feb. 17	5. Animal Ancestors & Sponges 6. Jellyfish & Sea Anemones	Chapter 5-6 Chapter 7
Week #4	T Th	Sept. 22 Sept. 24 QUIZ	7. Flatworms 8. Clams, Snails, and Squids (Mollusca)	Chapter 8 Chapter 10
Week #5	T Th	Sept. 29 Oct. 1	9. Segmented Worms 10. <i>Evolution</i> Video	Chapter 11 Handout
Week #6	T Th	Oct. 6 Oct. 8	Midterm Exam 1 11. Arthropods I – Scorpions & Spiders	Chapter 12
Week #7	T Th	Oct. 13 Oct. 15 QUIZ	12. Arthropods II – Isopods, Crabs, & Shrimp 13. Arthropods III – An Insect's Life	Chapter 12 Chapter 12
Week #8	T Th	Oct. 20 Oct. 22	14. An Insect's Life (con't.) & Other Ecdysozoans 15. Echinoderms	Chapter 9 & 13 Chapter 14
Week #9	T Th	Oct. 27 QUIZ Oct. 29	16. Origin of Vertebrates 17. Fishes	Chapter 15 Chapter 16
Week #10	T Th	Nov. 3 Nov. 5	18. <i>Evolution</i> Video Midterm Exam 2	Handout
Week #11	T Th	Nov. 10 Nov. 12	19. Moving to Land 20. Modern Amphibians	Chapter 17 Chapter 17
Week #12	T Th	Nov. 17 QUIZ Nov. 19	21. Reptiles I – Making An Egg 22. Reptiles II – Squamates	Chapter 18 Chapter 18
Week #13	T Th	Nov. 24 Nov. 26	23. Reptiles III – Avian Ancestors <i>Thanksgiving</i>	Chapter 18 & 19
Week #14	T Th	Dec. 1 Dec. 3 QUIZ	24. Reptiles IV – Birds in Flight 25. Mammals I – Monotremes & Marsupials	Chapter 19 Chapter 20
Week #15	T Th	Dec. 8 Dec. 10	26. Mammals II – Placentals 27. <i>Evolution</i> Video	Chapter 20 Handout
Week #16	T	Dec. 17	Final Exam (10:30am-12:30pm)	