



Biology 101 Fall 2007 Lecture Syllabus

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Introduction:

This course reviews how animal life works. It examines animal anatomy, genetics, life histories, behaviors, and adaptations. This non-majors biology course expects students to use this opportunity to obtain a deeper understanding of the natural world around them.

Requirements:

- Mandatory **attendance** is required. Please, arrive in time.
- **Book:** *Animal Diversity* (4th or 3rd Edition). By Cleveland P. Hickman, Jr., Larry Roberts, and Allan Larson. McGraw-Hill Companies, Inc.
- Preparation for **lectures**. Read the corresponding book chapter before each lecture. Details and emphasis for each chapter provided during lectures. Expect to read approximately 6 hours per week. Take notes in your own words about the major concepts delivered in class. Lecture outlines will be posted in blackboard but do not substitute for class attendance.
- The **laboratory** section is separate from the lecture and is not required. Nevertheless, it is highly recommended because it nicely complements with hands-on and fine detail the theoretical aspects of lectures.

Grading:

Grading will be based on 3 exams. Exams must be taken on the scheduled day.

Evaluation 3 multiple choice tests

Midterm 1	33%
Midterm 2	33%
Final exam	34%

Bring a ParSCORE form (the red one) to the exams and #2 pencil.

Grading Scale

A =	[95 100%]
A- =	[90 95%[
B+ =	[85 90%[
B =	[80 85%[
B- =	[75 80%[
C+ =	[70 75%[
C =	[65 70% [
C- =	[60 65%[
D =	[50 60% [
F	< 50%

Meeting Time & Place: Tuesday & Thursday 9:30-10:45am Room: HH 130

Biology 101-2007 Lecture Schedule, updates and details will be advertised in class

Week #1	Th	Aug 28 Aug 30	0. Introduction. 1. How evolution Works 2. Genetics and the Tree of Life	Chapter 1 Chapter 4
Week #2	T Th	Sep 4 Sep 6	3. Animal origins 4. Sponges and Cnidarians	Chapter 5 Chapter 6 & 7
Week #3	T Th	Sep 11 Sep 13	5. Animal body plans 6. Mollusks	Chapters 3 Chapter 10
Week #4	T Th	Sep 18 Sep 20	7. Annelids 8. Arthropods I	Chapter 11 Chapter 12
Week #5	T Th	Sep 25 Sep 27	Review, key concepts, exercises Midterm exam 1 (Lectures 1-8)	
Week #6	T Th	Oct 2 Oct 4	9. Arthropods II Insects 10. Ecological interactions.	Chapter 12 Chapter 2
Week #7	T Th	Oct 9 Oct 11	11. Discussion exercises 12. Echinoderms and Hemichordates	Chapter 1 and 2 Chapter 14
Week #8	T Th	Oct 16 Oct 18	13. Chordates 14. Vertebrates	Chapter 15 Chapter 16
Week #9	T Th	Oct 23 Oct 25	15. Tetrapods 16. Review, key concepts and exercises	Chapter 17
Week #10	T Th	Oct 30 Nov 1	Midterm Exam 2 (Lectures 11 to 16) 17. Reptiles	Chapter 18
Week #11	T	Nov 6 Nov 8	18. Living dinosaurs: Birds 19. Mammals	Chapter 19 Chapter 20
Week #12	T Th	Nov 13 Nov 15	20. The evolution of sex 21. Animal behavior	Chapter 1, 19 Lecture notes
Week #13	T Th	Nov 20 Nov 22	22. Discussion and exercises Thanksgivings recess	
Week #14	T Th	Nov 27 Nov 29	23. Human Evolution 24. Radiations and extinctions	Chapter 20 Chapters 1-18
Week #15	T Th	Nov 4 Nov 6	25. The Cambrian explosion 26. Evolution and development	Chapter 1-17 Lecture notes
	Th Th	Dec 11 Dec 13	Finals' week. No class Midterm Exam 3. (Lectures 17 to 26) In HH 130 Time: 10:30-12:30	

Learning outcomes

Concepts

Understanding various animal adaptations in different animal groups
 Understanding the relation of these adaptations to the evolutionary process

Aptitudes

Development of critical thinking
 Relational reasoning
 Creative thinking, elaboration of hypothesis

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