

EEB 111 - BIOLOGY OF THE VERTEBRATES – SPRING 2007
LECTURE SCHEDULE AND READING ASSIGNMENTS

DATE	TOPIC	Pough et al., 7 th ed. CHAPTER*
4/2	Introduction; Domain Eukarya, Evolution of Animals	1
4/4	Chordates, Craniates, and Vertebrate	1
4/6	Origin, Diversity, and Evolution of Vertebrates	2
4/9	Origin, Diversity, and Evolution of Vertebrates	2
4/11	Early Vertebrates: Jawless Vertebrates	3
4/13	The Evolution of Jaws and the Rise of Jawed Vertebrates	3
4/16	Living in Water	4
4/18	Radiation of the Chondrichthyes	5
4/20	Major Radiation of Bony Fishes	6
4/23	EXAM I	
4/25	The Transition Water to Land	7, 8
4/27	Origin and Radiation of Early Tetrapods	9
4/30	The Evolution of Living Amphibians	9, 10
5/2	Salamanders, Anurans, and Caecilians	10
5/4	Synapsids and Sauropsids: Two Approaches to Terrestrial Life	11
5/7	Turtles	12
5/9	The Lepidosaurs: Tuatara, Lizards and Snakes	13
5/11	The Lepidosaurs: Tuatara, Lizards and Snakes	13
5/14	Mesozoic Diapsids	15, 16
5/16	Mesozoic Diapsids	16
5/18	Ectotherms and Endotherms	14, 22
5/21	EXAM II	
5/23	Ectotherms and Endotherms	14, 22
5/25	The Origin and Evolution of Birds	17
5/28	Memorial Day	
5/30	Characteristics of Birds	17
6/1	The Origin and Evolution of Mammals	18, 19
6/4	Mammalian Characteristics and Diversity	20
6/6	Mammalian Specializations	21
6/8	The Impact of Humans on Other Vertebrates	25
6/13	FINAL EXAM	3 - 6 PM
		Room TBA

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Tentative Laboratory Schedule – Spring 2007

All lab sections are held in room LS 1113

Biology of Vertebrates labs are designed to:

1. Present the diversity and characteristics of the vertebrates
2. Develop an understanding of their evolution and relationships
3. Present selected aspects of their morphology, ecology and natural history.

Week 1 The origin of vertebrates / Vertebrate body plan / Jawless vertebrates

Week 2 Lab Quiz 1
Sharks, skates, and rays / Ancestral bony fishes
Field Trip: Malibu Lagoon (Sunday, April 15)

Week 3 Lab Quiz 2
Advanced bony fishes

Week 4 Lab Quiz 3
Amphibians

Week 5 Review labs 1, 2, 3, & 4
FIRST LAB EXAM FRIDAY 5/4 6 - 10 P
Field Trip: LA County Museum of Natural History (Sunday, May 6)

Week 6 Lab Quiz 4
Turtles, Squamates and Crocodilians

Week 7 Lab Quiz 5
Birds

Week 8 Lab Quiz 6
Mammals I

Week 9 Lab Quiz 7
Mammals II
Field Trip: Grunion run Cabrillo Marine Aquarium (Saturday, June 2nd)

Week 10 Review labs 6, 7, 8, & 9
SECOND LAB EXAM FRIDAY 6/8 6 - 10 P

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Course Outline – Spring 2007

A. Instructor: Dr. Vicente Cassano vcassano@ucla.edu
Office hours: MW 11A-12 P LS 1326

Teaching Assistants: Josh Olson jdolson@ucla.edu
Office hours: M 4-5, T 3-4, W 4-5, R 12-1 LS1113

Robert Lim robertlim413@gmail.com
Office hours: T 12-1 room TBA; R 4-5 LS 1113

Undergraduate Assistants: Tri Nhan Tran
Triet Minh Le (Kenny)

B. Format

1. Lectures: MWF 10 - 10:50AM Kinsey PV 1200B
2. Laboratory: LS 1113
 - a. Brief presentation by the assistant
 - b. Demonstrations and exercises
3. Field trips: sign up required, two field trips are mandatory
 - a. Guided observations
 - b. Demonstrations and exercises

C. Textbooks (required)

Pough, F. H., C. M. Janis, and J. B. Heiser (2005) Vertebrate Life, 7th Edition,

D. Grading (1000 point course)

1.	Exam 1	150 points
2.	Exam 2	150 points
3.	Exam 3 (Final)	250 points
4.	First Lab Exam	100 points
5.	Second Lab Exam	200 points
6.	Transition water to land exercise	50 points
7.	Field Trip (2) x 25	50 points
8.	Lab quizzes (7) x 5	35 points
9.	Owl pellet dissection	15 points

E. Grading Policies:

1. Exams taken on date and time (medical excuses only)
2. No “making up points” for poor performance
3. No “grading on improvement”
4. Grades: Limits 90% (A), 80% (B), 70%(C), 60%(D)