

# VERTEBRATE ZOOLOGY

11:216:325

Spring 20XX

Lecture: Monday, Thursday 9:15 am to 10:35, RAB 001

Section 1 Lab: Tuesday 9:15am to 12:15 Bartlett 012

Section 2 Lab: Tuesday 12:35pm to 3:35 pm Bartlett 012

Section 3 Lab: Monday 5:35 to 8:35 pm pm Bartlett 012

Professor Julie Lockwood, 146 ENR, [lockwood@aesop.rutgers.edu](mailto:lockwood@aesop.rutgers.edu)

Nick Pollock, Teaching Assistant, ENR, [nbp48@Eden.Rutgers.edu](mailto:nbp48@Eden.Rutgers.edu)

Michael Allen, Teaching Assistant, Waller Hall, [mcallen@scarletmail.rutgers.edu](mailto:mcallen@scarletmail.rutgers.edu)

## Learning Goals:

- (1) Understand the link between morphological features of vertebrates and the ecological roles of these species.
- (2) Define the set of morphological and physiological features that distinguish taxonomic groups of vertebrates from each other.
- (3) Conceptualize the deep evolutionary history and global diversity of vertebrates.
- (4) Identify and classify a range of vertebrate species, many of which are common in New Jersey.

DATE	LECTURE TOPIC	DATE	LAB TOPIC
22 JAN	Overview, Evolution I	26-27 Jan	Phylogeny; Fish
26 JAN	Evolution II		
29 JAN	Living in Water	2-3 Feb	Fish
2 FEB	Fish I		
5 FEB	Fish II	9-10 Feb	Fish; <b>ID Quiz</b>
9 FEB	Fish III		
12 FEB	Life on Land I	16-17 Feb	Amphibians
16 FEB	Life on Land II		
19 FEB	Review	23-24 Feb	Amphibians
23 FEB	<b>EXAM 1, overview thru life on land</b>		
26 FEB	Vertebrate Sounds		
2 MARCH	Amphibians I	2-3 Mar	Amphibians; <b>ID Quiz</b>
5 MARCH	Amphibians II		
9 MARCH	Turtles and Crocodiles	9-10 March	Lizards, Snakes Turtles
12 MARCH	Lizards and Snakes I		
<b>SPRING BREAK</b>			
23 MARCH	Lizards and Snakes II	23-24 March	Lizards, Snakes Turtles; <b>ID Quiz</b>
26 MARCH	Endothermy–Ectothermy		
30 MARCH	Review	30-31 March	Birds
2 APRIL	<b>EXAM 2, vertebrate sounds thru endo-ecto</b>		
6 APRIL	Birds I	6-7 April	Birds
9 APRIL	Birds II		

13 APRIL	Birds III	13-14 April	Birds; <b>ID Quiz</b>
16 APRIL	Birds IV		
20 APRIL	Vertebrate Colors	20-21 April	Mammals
23 APRIL	Mammals I		
27 APRIL	Mammals II	27-28 April	Mammals; <b>ID Quiz</b>
30 APRIL	Mammals III		
4 MAY	Review		

**DATE TBA, FINAL EXAM, birds thru mammals**

**GRADE:** I do not curve grades and I do not give extra credit. I do round grades up from the 0.5% level (for example, if your final grade is 86.5%, you will be rounded up to 87%). If you want an A in this class, you have to earn it by studying hard, showing up to class, and participating in lab. Grade cut-offs are as follows:

<b>A</b>	<b>90 TO 100%</b>
<b>B+</b>	<b>87 TO 89</b>
<b>B</b>	<b>80 TO 86</b>
<b>C+</b>	<b>77 TO 79</b>
<b>C</b>	<b>70 TO 76</b>
<b>D</b>	<b>60 TO 69</b>
<b>F</b>	<b>BELOW 60</b>

**GRADES ARE BASED ON** the three exams (55%); lab and lecture attendance and participation (10%); and in-lab identification quizzes (35%). To obtain full participation in the labs you must attend all of them, show up on time, stay for the duration, and engage the instructor(s) and other students in learning experiences provided. You will be given a make-up exam based on the schedule of the instructors. **You cannot make up a lab or quiz even when the absence is ‘excused’.** Attendance to lecture is also mandatory. I will take attendance at the beginning of each lecture. You will be counted as ‘absent’ if you arrive more than **15 minutes** after class start time. You have three unexcused absences from lecture, after which absences will begin to count against your participation grade.

**SUGGESTED TEXT:** Pough, F.H., C.M. Janis, and J.B. Heiser. 2009. Vertebrate Life, 8<sup>th</sup> Edition. Benjamin Cummings, San Francisco, CA. Will be on reserve at Chang Library.