

# BIOLOGY 435 – MAMMALOLOGY

FALL 2009

Jay Bogiatto, M.S., Faculty

Meeting: Lecture (W 3-5p), Lab (T 2-5P) in Holt Hall 235

Office/Hours: Holt Hall 211 / Tues. 10:30-11:30A; R 1-3p

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## COURSE SYLLABUS

### REQUIRED MATERIALS:

**Text:** Vaughan, et al., 4<sup>th</sup> Edition. 2000. Mammalogy

**Lab/Field Guide:** Kays and Wilson. 2002. Mammals of North America

**Dissection Kit** (See Omicron Coffee/Donut Table for the best kits)

### RECOMMENDED MATERIALS:

Separate Notebooks for Lecture and Lab

### ASSIGNMENTS:

Midterm Exam	70	Points
Final Exam ( <b>Cumulative</b> ) ( <b>75p written; 25p slides</b> )	100	Points
3 Lab Practical Exams ( <b># 2 and #3 are 25% and 50% Cumulative, respectively</b> )	240	Points
Literature Review	70	Points
<b>TOTAL</b>	<b>480</b>	<b>POINTS</b>

### GRADING\*

A	90-100%	C-	69
A-	89	D	59-68
B+	88	F	58 and below
B	80-87		
B-	79		
C+	78		
C	70-77		

### COURSE POLICIES:

- 1.) There will be no make-up exams given during this course.
- 2.) Tardiness is unacceptable.
- 3.) Missed labs, without serious and/or compelling reasons (see CSUC Catalog), will result in a subjective adjustment to your course grade.
- 4.) Cell phones must be turned off at all times during the lecture and lab components of this course.

# LECTURE CALENDAR

<u>Date</u>	<u>Topic</u>
<b>August</b> 26	Mammalogy - The Study of Mammals / Humans and Mammals / Mammals as the only surviving Synapsid, Amniote, Tetrapod, Chordates
<b>September</b> 2	Class: Mammalia; Distinguishing Features, etc. / Surviving Lineages: Subclasses and Infraclasses
9	Subclass: Prototheria – Order Monotremata: The Monotremes / Fur
16	Subclass: Theria, Infraclass: Metatheria – The Marsupials I. / Sweat, Scent glands, etc.
23	Marsupials II.
30	Subclass: Theria, Infraclass: Eutheria (Overview) / Animal Mating Systems
<b>October</b> 7	<b>Midterm Exam</b>
14	Mammalian Mating Systems
21	Placental Reproduction

	28	Introduction to the “Other” Placental Orders: Afrosoricida, Macroscelidea, Tubulidentata, Hyracoidea, and Proboscidea
<b>November</b>	4	Introduction to the Orders: Sirenia, Pilosa, Scandentia, and Dermoptera
	<b>11</b>	<b>Veteran’s Day</b>
	18	An Introduction to the Order: Primates and
		Human Evolution
	19	
<b>THANKSGIVING BREAK</b>		
<b>December</b>	2	An Introduction to the Orders: Erinaceomorpha, Pholidota, Perissodactyla, and Cetacea.
	9	Species and Speciation in Mammals
	<b>14</b>	<b>FINAL EXAM: Monday 2-3:50P</b>

## LAB CALENDAR

<u>Date</u>	<u>Topic</u>
<b>August</b> 25	Course Introduction / Introduction to the lab Component / Mammalian Osteology: Terminology, Articulated Skeletons
<b>September</b> 1	<b>Compensatory Day Off</b>
8	<b>Mandatory State Furlough Day Off</b>
15	An Introduction to Bones and Teeth / Articulated Skeletons (Continued) / Dissarticulated Skeletons / Zooarchaeology Lab Tour
22	Mammalian Systems: Foetal Pig Dissection; Native Mammal Dissection(s): (those having completed Advanced Zoology, BIOL 370).
29	Mammalian Systems (Continued) / An Introduction to the Vertebrate – Mammalian Brain
<b>October</b> 6	<b>Lab Practical Exam I</b> / Tour of the Vertebrate Museum
13	Introduction to the Orders Didelphimorphia, Cingulata, and Primates (in part)

	20	Introduction to the Order: Rodentia (Part 1.)
	27	Order: Rodentia (Part 2.)
<b>November</b>	3	<b>Lab Practical Exam II (25% cumulative) /</b> Introduction to the Orders: Lagomorpha and Soricomorpha
	10	Order: Chiroptera
	17	Order: Carnivora
 <b>THANKSGIVING BREAK</b>  		
December	1	Orders: Perissodactyla (in part), and Artiodactyla
<b>December</b>	<b>9</b>	<b>Lab Practical Exam III (50% cumulative)</b>

