

**BIOL 3980/ 5980 - Mammalogy Fall, 2015**

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Lecture: 11 MWF 1024 BC  
Lab: 9:30-12:20 or 1-3:50 R; 1088 BC

Website: <http://www.valdosta.edu/~bergstrm> Office Hours: MW 12-1:15;  
other times by appointment.

Lecture Text: Feldhamer, G.A., et al. 2015. Mammalogy: adaptation, diversity, and ecology, 4th Ed. Johns Hopkins Univ. Press, Baltimore. 747 pp.

(Occasionally, you may be asked to read other articles, reserve materials, or textbook chapters not already designated in lecture schedule, below).

**Tentative Lecture Schedule**

<u>Week</u>	<u>Lecture Topics</u>	<u>Chapt. In Text</u>
1	Intro., gen. mammal characteristics; Modern taxonomy	Skim 1-2, 7-8; 3-4
1,2	Locomotion; Skull, Skeleton, Teeth	7; 5(part)
3	Integument; Feeding; Thermo-/Osmo-regulation; Nervous/Sensory Systems; Reproduction	7(part); 8-11
4	Paleontology and mammal evolution	5
5*	Biogeography; Modern mammal diversity	6; "Part 3"
5	Monotremes and marsupials	12
6	"Insectivore" orders	13
7	Chiroptera	14
8	Primates	15
9	Carnivora	17
10*	Cetacea	21
10,11	Xenarthra, et al.; "Subungulates"	16,19
11,12	Perissodactyla	20
12	Artiodactyla	20
13,14	Rodentia	18
15	Lagomorpha	18
FINAL *	Thurs., Dec. 10, 10:15 am - 12:15 pm	

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\*indicates approximate times of 3 100-pt. exams; TOTAL= 300 points. Max. Course Point Total (see p. 2)= 520 pts. Lowest A/B/C/D= 90/80/70/60% or lower.

## Laboratory in Mammalogy

Manual: Martin, R.E., R.H. Pine and A.F. DeBlase. 2012. A manual of mammalogy with keys to families of the world, 3rd ed. McGraw Hill, Boston. 352 pp.

<u>Tentative Lab Schedule</u>	<u>Date</u>	<u>Chapts.</u>
1. Skull, hair, external characters	Aug. 20	2,4,5
2. Teeth, appendicular skeleton	27	3,6,7
***** 1st Lab Practical Exam ***** Sept. 3		
3. Use of Keys; Field Collection	Sep. 3	8,9
4. Specimen preparation	Sep. 10	30,31
5. Monotremes, Marsupials, "Insectivores"	17	10-12
6. Chiropterans & Primates	24	14-16
***** 2nd Lab Practical Exam ***** Oct. 1		
7. Carnivores I	Oct. 1	19
8. Carnivores II	Oct. 8	19
9. Perissodactyls; Artiodactyls Xenarthrans, Cetaceans, Subungulates	Oct. 15	17,18,20 21,24-27
<b>** Optional Four-day Fieldtrip To North Carolina<sup>1</sup> ** Oct. 22-25</b>		
10. No labs		
***** 3rd Lab Practical Exam ***** Oct. 29		
11. Rodents I	Oct. 29	23
12. Rodents II	Nov. 5	"
13. Rodents III,	12	"
14. Rodents IV, Lagomorphs, local spp.	19	" +22
** OPTIONAL MANATEE DIVE DURING THANKSGIVING BREAK (TBD) **		
***** 4th Lab Practical Exam ***** Dec. 3		

LAB GRADING: 1) four lab quizzes stressing identification, 35-40 pts. each--140-150 pts; 2) special project--50 points; 3) Optional study skin preparation<sup>2</sup> OR equivalent--10 points 4) attendance, participation, attitude - 10 points, TBD. TOTAL 200-220 pts. **Attendance at all laboratories is mandatory. More than one lab absence WILL result in points deducted from total; arriving late or leaving lab early counts as an absence!** (<sup>1,2</sup>Mandatory for BIOL 5980)

The student is responsible for all material from lecture and assigned readings unless otherwise instructed. You are responsible for all material and information given or assigned during class time *regardless* of any reason for missing class.

STUDENTS WITH DISABILITIES: Students requiring classroom or testing accommodations because of documented disabilities should discuss their needs with the instructor at the beginning of the quarter. To register with the VSU Special Services Program, contact their office (245-2498).