

**BIOL 3980/ 5980 - Mammalogy Fall, 2013**

Dr. Brad Bergstrom  
1107 Biol-Chem Bldg. -5770/-5759  
e-mail: [bergstrm@valdosta.edu](mailto:bergstrm@valdosta.edu)

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

Website: <http://www.valdosta.edu/~bergstrm> Office Hours: MR 1:30-2:30;  
other times by appointment.

Lecture Text: Feldhamer, G.A., et al. 2007. Mammalogy: adaptation, diversity, and ecology, 3rd Ed. Johns Hopkins Univ. Press, Baltimore. 643 pp.

(You may occasionally be asked to read other articles and reserve materials).

**Tentative Lecture Schedule**

Week	Lecture Topics	Chapt. In Text
1	Intro., gen. mammal characteristics; Modern taxonomy	Skim 1-2; 3
1,2	Locomotion; Skull, Skeleton, Teeth	4(part); 6(part)
3	Integument; Feeding; Thermo-/Osmo-regulation; Nervous/Sensory Systems; Reproduction	6(part); 7-10
4	Paleontology and mammal evolution	4(part)
5*	Biogeography; Modern mammal diversity	5; "Part 3"
5	Monotremes and marsupials	11
6	"Insectivore" orders	12
7	Chiroptera	13
8	Primates	14
9	Carnivora	16
10*	Cetacea	17
10,11	Xenarthra, et al.; Subungulates	15,19
11,12	Perissodactyla	20
12	Artiodactyla	20
13,14	Rodentia	18
15	Lagomorpha	18
FINAL *	Fri., Dec. 6, 12:30-2:30pm	

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\*indicates approximate times of 3 100-pt. exams; TOTAL= 300 points. Max. Course Point Total (see p. 2)= 510 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. 14/15	2,4,5
2. Teeth, appendicular skeleton	21/22	3,6,7
***** 1st Lab Practical Exam ***** Aug. 28/29		
3. Use of Keys; Field Collection	Aug. 28/29	8,9
4. Specimen preparation	Sep. 4/5	30,31
5. Monotremes, Marsupials, "Insectivores"	11/12	10-12
6. Chiropterans & Primates	18/19	14-16
<b>** FOUR-DAY FIELDTRIP To NORTH CAROLINA<sup>1</sup> ** Sep. 26-29</b>		
7. finish up marsupials --> primates	Oct. 2/3	
***** 2nd Lab Practical Exam ***** Oct. 9/10		
8. Carnivores	Oct. 9/10	19
9. Perissodactyls; Artiodactyls Xenarthrans, Cetaceans, Subungulates	16/17	17,18,20 21,24-27
10. Finish Groups 8, 9	23/24	
***** 3rd Lab Practical Exam ***** Oct. 30/31		
11. Rodents I	Oct. 30/31	23
12. Rodents II	Nov. 6/7	"
13. Rodents III, Lagomorphs, local spp.	13/14	" +22
***** 4th Lab Practical Exam ***** Nov. 21/22		
<b>** OPTIONAL MANATEE DIVE, MONDAY OF THANKSGIVING BREAK **</b>		

LAB GRADING: 1) Study skin preparation<sup>2</sup> OR equivalent--10 points 2) four lab quizzes stressing identification, ca. 35 pts. each--130-140 pts. 3) special project--50 points. 4) attendance, participation, attitude - up to 20 points, TBD. TOTAL 210-230 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).