

**BIOL 3980 - Mammalogy, Fall, 2019**

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Lecture: 12 MWF 1024 BSC  
Lab: 9:30-12:20 or 2-4:50 R 1088 BSC  
Office Hours: 10-11 MW, 2-3 M;  
other times by appt.

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

Useful links: <https://mammaldiversity.org>  
<https://www.departments.bucknell.edu/biology/resources/msw3/>  
<https://animaldiversity.org/accounts/Mammalia/>

**Tentative Lecture Schedule**

Week	Lecture Topics	Chapt. In Text
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"	16,19,31 10:15 am - 12:

\*indicates approximate times of 4 60-100 pt

## 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>Chapters.</u>
1. Skull, hair, external characters	Aug. 22	2,4,5
2. Teeth, appendicular skeleton	Aug. 29	3,6,7
***** 1st Lab Practical Exam *****	Sep. 5	
3. Use of Keys; Field Collection	Sep. 5	8,9
4. Monotremes, Marsupials, "Insectivores"	Sep. 12	10-12
5. Chiropterans & Primates	Sep. 19	14-16
6. TBD	Sep. 26	
***** 2nd Lab Practical Exam *****	Oct. 3	
7. Carnivores I	Oct.	