

**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  
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, 7-8;  
Modern taxonomy 3-4

Skim 1-

|       |  |                  |
|-------|--|------------------|
| 1,2   | Locomotion; Skull, Skeleton, Teeth   | 7; 5(part)       |
| 3     | Integument; Feeding; Thermo-/Osmo-regulation;<br>Nervous/Sensory Systems; Reproduction | 7(part);<br>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>Chapters.</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 pr                             |             |                  |