

Instructor: Dr. Ann Kohlhaas

Office: N275; Mondays 1-3 pm and Tuesdays 11 am – 12 noon, and by appt.

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Meeting times:

Lecture - Tues & Thurs 12:30 – 1:20 pm in N206

Lab - Tues & Thurs 2:00 – 4:50 pm in N206

Field Trips - see schedule

Textbooks:

Mammalogy: adaptation, diversity, ecology

by Feldhamer, Drickamer, Vessey, Merritt, and Krajewski (3rd ed., 2007)

(used mostly in lecture) (required) (notated as F07 in schedule)

Mammals of California by Jameson and Peeters (revised ed., 2004)

(used mostly in lab) (required)

(or Mammals of North America by Kays and Wilson, 2nd ed., 2009)

Grades: Grades will be assigned on a percentage of the possible points earned, thus A = 90+%, B = 80-89.5 %, C = 70-79.5 %, D = 60-69.5 %, F < 59.5%.

NOTE: There will be no “+” or “-” grades given. Credit/No Credit is not an option for this class.

3 lecture exams: 80 + 80 + 80 =	240 pts.
3 lab exams: 50 + 70 + 90 =	210 pts.
Lab Quizzes =	80 pts.
Final Exam =	90 pts.
Presentation with abstract =	40 pts.
Participation =	40 pts.
TOTAL =	700 pts.

Lecture exams will be on material covered in lecture and may also include material specifically referred to in readings. These exams may include any type of question. Types of questions to expect: essay, fill-in-blank, list, definitions, etc. Types of questions that should not be expected: multiple-choice.

Lab exams will be on material from the lab. Questions will be of the objective type.

Lab quizzes on material in the prior lab will occur regularly. There will be at least 10 and they will be 10 pts. each. The top eight quiz grades are added together for a maximum grade of 80 pts. There will be no makeup quizzes.

The **Final Exam** will be comprehensive and include both lecture and laboratory material.

Presentations will be on refereed published scientific papers on mammals. There is a threefold purpose to this presentation requirement: 1) to get students used to presenting material orally (as they probably will have to do in some future job), 2) to have upper-division students participate as active contributors to the material learned, and 3) to increase all students' familiarity with the mammalian fauna and current scientific research.

Each student will do one presentation. Each presentation has two parts: an oral presentation and a written abstract.

Each oral presentation will be 10-12 minutes duration and using Powerpoint. It should include a short introduction to the study, a thorough explanation of the methods, clear results, and a short conclusion of the major findings.

Each typed abstract is, of course, on the paper being presented. An abstract consists of 1-2 sentences of introduction, 1-2 sentences on methods, and several sentences on major findings. This is generally written as one or two paragraphs. The lower and upper page limits for this are $\frac{3}{4}$ to $1\frac{1}{2}$ pages, double-spaced. Only one copy needs to be turned in directly to your teacher. This is also due on presentation day at the beginning of class. Note that you cannot turn in the abstract which was published with your paper!

No quotes will be allowed in any part of the presentation or associated written tasks! No plagiarism allowed!

Papers for the presentation must come from refereed scientific journals. Only papers published since 2014 will be approved. I recommend the Journal of Mammalogy. Papers from other journals may be allowed. Note: all papers for presentations must be preapproved at least one week before the presentation by your instructor.

Participation points are given for participation in various lab activities and field trips. The Saturday field trip will be 20 points for active participation. Participation in other field trips and exercises during lab time will be the other 20 pts.

Extra credit of up to 20 points can be earned by doing some kind of mammal research or conservation related activity. More information will be provided in lab. Any extra credit activity must be preapproved by the instructor.

IMPORTANT NOTES:

1. Exams must be taken as scheduled. Any missed exam will result in a grade of 0 for that exam, unless a written and verifiable excuse (also unavoidable circumstance) is provided.
2. Any material turned in after the due date will lose 10 % of potential points for each day late.
3. All safety protocols and instructions regarding handling of specimens must be strictly adhered to.

4. Any form of cheating (including plagiarism) will result in an automatic F grade in this course. Incidents of cheating are also reported to the administration.
5. Audio or video recording is not allowed in this course with the exception that still photographs may be taken of the specimens.

The following schedule is tentative, but major changes are not expected.
(F07= Feldhamer et al. book)

<u>Schedule</u>	<u>Topic</u>	<u>Lab</u>
Jan 27	Introduction (F07-1)	Characteristics
Jan 29	History (F07-2)	(cont.)

Feb 3	Characteristics (F07-4,6,7)	Skeleton
Feb 5	Characteristics (cont.)	(cont.)

Feb 10	Characteristics (cont.)	Skulls, Teeth
Feb 12	Evolution (F07-4)	(cont.)

Feb 17	Reproduction (F07-10)	Open lab
Feb 19	(cont.)	<u>Lab Exam 1 (50 pts.)</u>

Feb 24	<u>Lecture Exam 1 (80 pts.)</u>	Keys & Orders
Feb 26	Exercise/Field Trip	Exercise/Field Trip

March 3	Monotremes (F07-11)	Monotremes
March 5	Marsupials (F07-11)	Marsupials

March 10	Intro. to Eutherians "Insectivora" et al. (F07-12)	Insectivora et al.
March 12	Chiroptera (F07-13)	Chiroptera

March 17	Primates (F07-14)	Primates
March 19	Xenarthra et al. (F07-15)	Xenarthra et al.

March 24	Cetacea (F07-17)	Cetacea + Open Lab
March 26	Carnivora (F07-16)	<u>Lab Exam 2 (70 pts.)</u>

March 31 Field Trip to Zoo – 8 am – 5 pm

April 2 **Lecture Exam 2 (80 pts.)** Carnivora

April 6-10 SPRING BREAK

April 14 Perissodactyla (F07-20) Perissodactyla

April 16 Artiodactyla (F07 -20) Artiodactyla

April 21 Rodentia (F07-18) Rodentia

April 23 Lagomorpha (F07-18) Rodentia (cont.)
Lagomorpha

April 28 Proboscidea et al. (F07-19) Proboscidea et al.

April 30 **Lecture Exam 3 (80 pts.)** Exercise

May 5 Biogeography (F07-5) Open lab

May 7 Metabolism and Thermoregulation **Lab Exam 3 (90 pts.)**
(F07-9)

May 12 (cont.) Exercise

May 14 Conservation (F07-29) Exercise

Tuesday, May 19, 2:00 p.m. FINAL EXAM (90 pts.)