

**Instructor: Dr. Ann Kohlhaas**

**Office: N275; Mondays and Wednesdays 1:30-3 pm, 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 (4th ed., 2015)  
(used mostly in lecture) (required) (notated as F15 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, 2<sup>nd</sup> 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 + 80 + 80 =	210 pts.
Lab Quizzes =	80 pts.
Final Exam =	90 pts.
Presentation with outline =	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 outline.

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 outline will be a brief outline of the informational points in the oral presentation. The outline must conclude with **2 major "points to remember"** from the paper. Note: these cannot be "random" points, but must be the major conclusions of the research in the paper. Enough photocopies of the outline must be ready and given to everyone in the class prior to the oral presentation. This should be 1-2 pages in length. 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 2016 will be approved. I recommend the Journal of Mammalogy. Papers from other journals may be allowed. Note: all papers for presentations must be submitted to your instructor by February 9.

**Participation** points are given for participation in various lab activities and field trips. The all day 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. All safety protocols and instructions regarding handling of specimens must be strictly adhered to.
3. 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.
4. 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.  
(F15= Feldhamer et al. book)

<u>Schedule</u>	<u>Topic</u>	<u>Lab</u>
Jan 27	Introduction (F15-1)	Characteristics
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Jan 31	History (F15-2)	Skeleton
Feb 2	Characteristics (F15-5,7,8)	(cont.)
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Feb 7	Characteristics (cont.)	Skulls, Teeth
<b>Feb 9</b>	Characteristics (cont.) <b>Presentation Topics Due</b>	(cont.)
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Feb 14	Evolution (F15-5)	Open lab
<b>Feb 16</b>	Reproduction (F15-11)	<b><u>Lab Exam 1 (50 pts.)</u></b>
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<b>Feb 21</b>	<b><u>Lecture Exam 1 (80 pts.)</u></b>	Keys & Orders
<b>Feb 23</b>	<b>Exercise/Field Trip</b>	<b>Exercise/Field Trip</b>
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Feb 28	Reproduction (F15-11)	Monotremes
March 2	Monotremes (F15-12)	Marsupials
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March 7	Marsupials (F15-12)	"Insectivora" et al.
March 9	Intro. to Eutherians "Insectivora" et al. (F15-13)	Chiroptera
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March 14	Chiroptera (F15-14)	Chiroptera
March 16	Primates (F15-15)	Primates
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<b><u>March 20-24 SPRING BREAK</u></b>		
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March 28	Xenarthra et al. (F15-16)	Xenarthra et al.
March 30	Carnivora (F15-17)	Carnivora
<b><u>March 31</u></b>	<b><u>Field Trip to Zoo - 8 am - 5 pm</u></b>	
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April 4	Carnivora (F15-17)	Open Lab
<b>April 6</b>	Cetacea (F15-21)	<b><u>Lab Exam 2 (80 pts.)</u></b>
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<b>April 11</b>	<b><u>Lecture Exam 2 (80 pts.)</u></b>	Cetacea + Open Lab
April 13	Perissodactyla (F15-20)	Perissodactyla
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April 18	Artiodactyla (F15-20)	Artiodactyla
April 20	Rodentia (F15-18)	Rodentia
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April 25	Lagomorpha (F15-18)	Rodentia (cont.) Lagomorpha
April 27	Proboscidea et al. (F15-19)	Proboscidea et al.
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<b>May 2</b>	<b><u>Lecture Exam 3 (80 pts.)</u></b>	Exercise
May 4	Biogeography (F15-6)	Open lab
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<b>May 9</b>	Metabolism and Thermoregulation (F15-10)	<b><u>Lab Exam 3 (80 pts.)</u></b>
May 11	(cont.)	Exercise
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May 16	Conservation (F15-30)	Exercise
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<b><u>Thursday, May 18, 2:00 p.m. FINAL EXAM (90 pts.)</u></b>		