

ORNITHOLOGY **Spring 2003**

Biology 550 / 750 Monday/Wednesday/Friday 830 am: Albertson 244

INSTRUCTOR: Dr. Greg Farley

OFFICE: AH 404 E-MAIL: gfarley@fhsu.edu PHONE: 628-5965 (voicemail)

OFFICE HOURS: Monday, Tuesday and Friday 2:00 - 4:00, **or** by appointment

<u>Week</u>	<u>Class Dates</u>	<u>Topic(s)</u>	<u>Textbook Readings</u>
1	Jan 15 - 17	What is a Bird?	3 - 15
2	Jan 22 - 24	Mesozoic Birds	16 - 20; 21 - 36
		NOTE: No class on Monday, Jan 20 (Martin Luther King, Jr. Day)	
3	Jan 27 - 31	More Mesozoic Birds !	36 - 43
		NOTE: Friday's lecture will be at the Sternberg Museum; meet at the main entrance	
4	Feb 3 - 7	Modern Evolutionary History	52 - 62
5	Feb 10 - 14	EXAM 1 (Monday) Skeleton and Flight	93 - 113
6	Feb 17 - 21	Respiration and Circulation	115 - 123
7	Feb 24 - 28	Metabolism	124 - 146
8	Mar 3 - 7	Brain and Senses EXAM 2 (Friday)	177 - 204
9		NOTE: Platte River crane field trip Saturday, March 8	
10	Mar 10 - 14	Feathers, Plumage Development and Molt	65 - 91; 264
		NOTE: No classes March 17 - 21 (Spring Break.....BIRDWATCH!)	
11	March 24 - 28	Song	233 - 262
12	March 31 - April 4	Migration and Navigation	287 - 326
13	April 7 - 11	Reproductive Physiology EXAM 3 (Wednesday)	263 - 285; 349 - 374
14	April 14 - 16	Growth and Development	425 - 452
		NOTE: No classes April 18 and 21 (Southwestern Association of Naturalists' Meeting - Norman, OK)	
15	April 23 - 25	Mating Systems	403 - 424
		NOTE: Cheyenne Bottoms and Quivera N.W.R. field trip April 26 weekend	
16	April 28 - May 2	Parental Care	453 - 480
17	May 5 - 9	Demography and Populations	481 - 506
	May 14 (Wednesday)	FINAL EXAM	

REQUIRED TEXT:

ORNITHOLOGY, 2nd Edition Dr. Frank Gill (1995) W.H. Freeman and Co.

GENERAL COURSE OBJECTIVES:

- a) Understand the anatomy, behavior, ecology and physiology of birds.
- b) Appreciate the living diversity and evolutionary history of birds.
- c) Realize that birds offer outstanding opportunities for scientific research and wildlife management.
- d) Learn to identify the common birds of Kansas by sight and sound.
- e) Gain a general appreciation of the aesthetic value of this unique group of organisms.

GRADING AND COURSE POLICIES:

a)	Three exams @ 100 points each	= 300
	Final exam (comprehensive)	= 100
	Video projects @ 25 points each	= 50
	Quizzes	= <u>50</u>
	TOTAL POSSIBLE POINTS:	= 500

- b) Make-up exams will only be allowed for valid absences, which must be approved **in advance** by the instructor.
- c) Due to time constraints and discussion time in class, some material assigned in the text will not be covered during lecture. Students are responsible for this material, however, and some exam questions will cover the reading assignments. See me during office hours, or set up an appointment if you have questions.
- d) Important dates to remember:

Saturday field trip to Platte River: March 8
Weekend field trip to Cheyenne Bottoms and Quivera N.W.R.: April 26
- e) The field trips are an integral part of this course, and graduates consistently comment how they remember specific details years later. I think the opportunity to observe living birds and simultaneously discuss their biology is key to actually understanding the concepts covered in this class. When you see a bird fly and recall the design of a wing and the physics of flight as described in lecture, the information will make a lot more sense.
- f) The structure of this class necessitates regular attendance; more than four absences – excused or otherwise - will result in a reduction of your final grade.

Finally: Enjoy the class, and do not hesitate to ask me for assistance.