WILDLIFE 321 -- PRINCIPLES OF CAPTIVE WILDLIFE MANAGEMENT
SYLLABUS -- FALL SEMESTER 2020

INSTRUCTOR: Dr. Shelli A. Dubay, Ph.D.; TNR 325 (346-4178); e-mail: sdubay@uwsp.edu. Hours: Mon. 10-11, Fri. 11:00 am – 12:00 pm and by appointment.
Zoom: https://uwsp.zoom.us/j/9269849384

OBJECTIVES: At the end of the course, students should be able to 1) Identify uses of wild animals for human purposes, 2) Explain issues relating to humane treatment of wildlife, 3) Give examples of how captive wildlife contribute to conservation efforts, research, economics, recreation and education, 4) Explain relationships between confinement and diseases, nutrition and behavior, and 5) Understand legislation and regulations relating to the housing, transport and capture of wild animals. This class also provides a foundation for the Captive Wildlife Techniques class and internship involving captive wildlife.

GRADING: Your grade will consist of scores you achieve on 3 exams worth 100 points each and a term paper worth 50 points. The final exam will be comprehensive. Exams consist of essay, short answer, matching and occasional True/False questions. You will need to watch all recorded lectures to do well in this class. The book only covers a portion of the material that you will see on exams. You can track your grade in Canvas.

LECTURES: This semester, lectures will be recorded so the class format is asynchronous and online. I will record the lectures and then you can watch them at your convenience. I will offer **optional** zoom classes with guest lectures and discussions and these will occur periodically at 9 am on Tu and Th. The three lectures are included in the topical outline but the date and time might change. I will send these zoom invitations when the guest lectures are booked.

READINGS: Hosey, G., V. Melfi, and S. Pankhurst. 2013. Zoo animals, behavior, management, and welfare, second edition. Oxford University Press, Oxford, United Kingdom, 643 pp.

Grading scale

Grade	**%**	**Grade**	**%**	**Grade**	**%**
A	92+	B-	80-82	D+	67-69
A-	90-92	C+	77-79	D	63-66
B+	87-89	C	73-76	D-	60-62
B	83-86	C-	70-72	F	≤59

TOPICAL OUTLINE AND **TENTATIVE** SCHEDULE

DATE	TOPIC	READING
Sept 3	Intro, Roles of Captive Wildlife	Chapter 1, handouts
Sept 8	Ethics of Captive Wildlife	Section 2.6, Ch. 7
Sept 10	Pain	Box 7.1, handout
Sept 15	Wildlife rehabilitation – Mandy Kamps	Handouts
Sept 17	Animal Identification	5.1 – 5.5
Sept 22	Animal Learning	Pages 77 – 86, 13.4
Sept 24	Activity budgets, Stress and behavior	Box 7.2, 7.3.2, 7.3.3, 8.3
Sept 29	Behavior continued	Sect. 4.3 – 4.5
Oct 1	Exam I	
Oct 6	Animal Behavior and Enrichment	Ch. 8
Oct 8	Enrichment and Play	Ch. 8
Oct 13	Preventative Medicine	11.4
Oct 15	Diseases	11.5
Oct 20	Catch up	
Oct 22	Feeding ecology and Gastrointestinal Tracts	12.1
Oct 27	Nutrition and dietary requirements	12.2, 12.4, 12.8
Oct 29	Conclude Nutrition	12.8
Nov 3	Exam II	
Nov 5	Reproductive biology/endocrinology	9.1 – 9.4
Nov 10	Signs of parturition	9.1.5, 9.3
Nov 12	Studbooks and SSPs	9.7
Nov 17	Conservation Strategies, Legislation **(PAPERS)**	Sections 3.2, 3.5, 3.6
Nov 19	Conservation Genetics	handouts
Nov 24	Black-footed ferrets - Travis Livieri	handout
Nov 26	No class	
Dec 1	Catch up	
Dec 3	Guidelines – using ZAA as an example	Guidelines
Dec 8	Regulations – Mandy Kamps	Handouts
Dec 10	Final exam review	
Dec 14-18	Final Examination	Online

I will be using Canvas for class – lectures will be posted in the site regularly.

Learning Outcomes for Wildlife 321

Students completing the course will:

Be familiar with concepts involved with animal welfare, including
- pertinent definitions
- issues relative to animal "rights"

Be able to relate aspects of animal behavior to captive animals, including:
- critical distances
- list and describe abnormal behaviors observed in captive wildlife
- define enrichment and apply the concept to minimize behavioral problems

Describe in detail how reproduction and behavior impact management of captive wildlife
- description of mating systems
- hormonal cycles associated with reproduction
- timing of breeding and parturition
- breeding, post-partum, brooding, and parental care
- conservation genetics concerns

Describe conservation strategies, including
- how genetics, data management, and demographics relate to captive breeding strategies

Describe nutritional provisions for wildlife in captivity, including
- listing essential nutrients and their role in proper function of the organism
- contrasting how trophic levels relate to providing proper nutrition in a captive setting
- list nutritional deficiencies and other problems common in captive settings
- discuss management techniques designed to avoid nutritional problems

Describe how management facilities cope with diseases in captive animals, including
- management techniques to prevent and contain diseases
- listing types of cleaning agents and their properties

Be familiar with legal aspects of captive wildlife management, including
- names and authority of agencies governing care and housing of captive animals
- requirements and compliance guidelines for housing and transporting animals
- basic captive wildlife regulations in Wisconsin